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Data Record on Coded Wire Tags Recovered From Juvenile Chinook at Campbell River Estuary and Discovery Passage, 1982

D. K. Gordon, M. Kotyk, T. Brown, C. D. Levings, and C. D. McAllister

Department of Fisheries and Oceans
Fisheries Research Branch
West Vancouver Laboratory
4160 Marine Drive
West Vancouver, British Columbia

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DATA RECORD ON CODED WIRE TAGS RECOVERED FROM JUVENILE CHINOOK AT CAMPBELL RIVER ESTUARY AND DISCOVERY PASSAGE, 1982

by

D. K. Gordon[1], M. Kotyk[1], T.Brown[2], C. D. Levings[1] and C.D. McAllister[2]

[1]Department of Fisheries and Oceans

Fisheries Research Branch

West Vancouver Laboratory

4160 Marine Drive

West Vancouver, British Columbia

[2]Department of Fisheries and Oceans

Fisheries Research Branch

Pacific Biological Station

Nanaimo, British Columbia V9R 5K6

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Data are presented on lengths, weights, and coded wire tag readings from juvenile chinook taken in beach seines at Campbell River estuary and Discovery Passage in 1982. Sampling was conducted at 55 stations over the period May to December 1982. Data are provided on ocatin, date, and time of capture.

Key words. chinook, Campbell River, estuary, coded wire tags, length, weight

RÉSUMÉ

Gordon, D. K., M. Kotyk, T. Brown, C. D. Levings, and C.D. McAllsiter. 1983. Data record on coded wire tags recovered from juvenile chinook at Campbell River estuary and Discovery Passage, 1982. Can. Data. Rep. Fish. Aquat. Sci. No. 403: iii + 57 p.

Les données concernent la longueur, le poids et le relevé des étiquettes métalliques codées de saumons chinooks juvéniles capturés à l'aide de sennes de rivage dans l'estuaire de la rivière Campbell et le passage Discovery en 1982. Les échantillons ont été recueillis à 55 endroits de mai à décembre 1982. Le lieu, la date et l'heure de la prise sont précisés.

Nots-clés: saumon chinook, rivière Campbell, estuaire, étiquettes métalliques codées, longueur, poids.

INTRODUCTION

To help evaluate the significance of estuarine habitats to juvenile salmonids, marked hatchery chinook from a 1982 time-and-size at release experiment, at the Quinsam Hatchery in Campbell River, were sampled. The chinook were marked with a coded wire nose tag and had their adipose fin clipped.

The majority of fish were obtained by sub-sampling from a complementary distributional study, with complete tabulations being presented elsewhere (Brown et al. 1983). Some marked chinook (n <50) were taken from a separate distributional study conducted by personnel from the Habitat Management Division, Field Services Branch (HMD/FSB). Most of this group's stations were south of Campbell River, an area not well covered by our sampling pattern. Mr. Kevin Conlin kindly agreed to supply these fish and data from them were incorporated into the present data set.

SAMPLING PROCEDURES

Fish were caught using a 14.7 m beach seine with wings 4.9 m (1 cm stretched mesh), bunt 4.9 m (3 mm stretched mesh), and depth 1.5 m. The net was fitted with 15 m towing lines off the wings. Usually the net was pulled off the beach using a 5 m inflatable boat with a 50 hp outboard engine. The distance the net was taken offshore depended on local conditions such as currents, bottom topography, and floating obstacles (wharves, kelp beds) and therefore ranged from 5 to 15 m.

Catches were usually held in the bunt of the net while being subsampled, however when numbers were too large for this to be feasible they were held in floating cages (75 cm long x 50 cm wide x 37 cm deep ; 3 mm mesh size). The fish were fixed in 10% formalin and, after measuring and weighing, preserved in 50% isopropanol. Tags were removed and read at the DFO Head Recovery Lab, North Vancouver, or by a contract technician working at the West Vancouver Lab.

SAMPLING LOCATIONS

Sampling was conducted at 27 locations within the Campbell River estuary (Fig. 1), and at 28 locations in Discovery Passage (Fig. 2). Descriptions of each of the sampling locations are presented in Table 1. All stations occupied, including those where marked chinook were not recovered, are shown.

DATA PRESENTED

A. Explanation of columns

Data are given, in a left to right sequence, on the following observations for individual chinook (Table 2).

Observation	Comments
Date (year, month, day)	Recoverv data are arranged in chronological order
Stn.	Station number
Time	Time of recovery is indicated in Pacific Standard Time
sp.	Code for species (05); chinook in all cases
#	Indicates the number of fish sampled from a particular beach seine set.
m-code	code which identifies each fish uniquely and used for linking to feeding and aging information. These numbers were assigned during weighing and measuring before coded wire tags were removed and read.
C.W.T.	code wire tag code
length	length in millimetres measured after preservation in 10% formalin for <1 month
weight	weight in grams after damp drying with paper towelling

B. Missing Data Codes

During the processing of the fish, tag removal, and the reading of the coded wire tags there were circumstances where data were lost. These are coded in the following way:

- 7 indicates fish misplaced after length and weight obtained.
- 8 indicates pin lost after extraction
- 9 indicates no pin found in fish
- 1 indicates missing data, attributable to the following situations: (1) where fish were not adequately fixed in formalin and hence accurate weights could not be obtained; (2) some fish were sent to Dr. A. McCarter, Dept. of Chemistry, University of Victoria, for analyses of metallothioneins. The fish had to be quick frozen in liquid nitrogen and after this treatment were generally unsuitable for length and weight determinations; (3) some sample containers failed to receive labels in the field and hence their location, date, and time of recapture could not be identified. Appendix 1 lists the lengths, weights, and CWTs of these fish.

ACKNOWLEDGMENTS

Thanks due to Leslie Coltish, who performed the majority of the weighing and measuring; to Don Bailey, FSB, who arranged for the cooperation of the Head Recovery Lab in reading CWTs, and to F.C. Withler for providing liasion with Quinsam hatchery personnel as well as participating in field work.

REFERENCE

Brown, T.B., C.D. McAllister, C.D. Levings, F.C. Withler and M. Kotyk. 1982. Data Record. Salmonid catch-data from Campbell River and Discovery Passage, 1982 (in prep.)

Table 1. Station designations and habitat types for 1982 beach seine sampling at the Campbell River estuary and in Discovery Passage.

Station Designation (Number, vernacular)	Description, Habitat
1 [M. RAMP]	Beside seaplane ramp, south side of Tyee Spit; sand, marsh at high elevation; moderate slope.
2 [NUNNS 1]	Southeast tip of Nunns Island; sand/mud, marsh at high elevation; moderate slope.
3 [NUNNS 2]	Southwest side of Nunns creek mouth; marsh; very steep dropoff.
4 [SPIT]	Northwest tip of Tyee Spit; gravel; very steep drop-off.
5 [BAR]	Sand/gravel bar on north side of river mouth channel; eel grass at lower elevations; moderate drop-off. Exposed when tide levels < est. 2 m.
6 [BULKHEAD]	Gravel bar below wooden bulkhead, west side of Campbell River; moderate drop off.
7 [NBM]	Southwest shore of Baikie's Slough at confluence with Campbell River; marsh at higher elevations, eel grass at lower; moderate drop-off.
8 [NBS]	North shore of north arm of Baikie's Slough at confluence with channel leading to Freshwater Marina; marsh at higher elevations, mud-wood debris at lower elevations; moderate drop-off.
9 [SBS]	Est. 200 m west of confluence of south arm of Baikie's Slough; sand beach, willows; logs usually stored mid-channel.
10 [SBM]	Southwest shore of south arm of Baikie's Slough at confluence with Campbell River; sand, overhanging willows, alders; moderate drop-off.
11 [ISL. #1]	Bay on Island No. 1; transplanted marsh at higher elevations; mud/wood debris at lower elevations; shallow slope.

Table 1 (cont'd)

12		Bay on east side of Island No. 2, translanted marsh on higher elvations; mud/wood debris on lower elevations; shallow slope.
13		Southwest side of Island No. 2; in tidal groove between Island No. 1 and Island No. 2; mud/transplanted marsh at shallow to high elevations; gravel at low elevations; moderate slope.
14	[ISL. #3 M.R.]	Experimental tidal groove on Island No. 3; mid groove riverside; transplanted marsh at higher elevations; gravel, mud/wood/algae at lower elevations; moderate slope.
141	[ISL. #3 U.R.]	Experimental tidal groove on Island No. 3; upper groove riverside; transplanted marsh at higher elevations; gravel, mud/wood/algae at lower elevations; steep slope.
15	[ISL. #3 M.S.]	Experimental tidal groove on Island No. 3; mid groove spit side; transplanted marsh at higher elevations; gravel, mud/wood/algae at lower elevations; moderate slope.
151	[ISL. #3 U.S.]	Experimental tidal groove on Island No. 3; upper groove spit side; transplanted marsh at higher elevations; gravel, mud/wood/algae at lower elevations; moderate slope.
152		Southeast end of Island No. 3; gravel; moderate slope.
153		Southwest end of Island No. 3; gravel; moderate slope.
16	[ISL. #3 L.R.]	Experimental tidal groove on Island No. 3; lower groove river side; gravel, mud/wood/algae at lower elevations; moderate shallow slope.
17.	[ISL. #3 L.S.]	Experimental tidal groove on Island No. 3; lower groove spit side; gravel, mud/wood/algae at lower elevations, moderate shallow slope.
18		Southwest side of Island No. 4; gravel, mud/wood debris at lower elevations; shallow slope.

Table 1 (cont'd)

191		Beach approximately 150 m north of shipyard/marine ways on northwest side of Campbell River; occasional log boom cover; soft mud/wood debris; shallow slope.
20	[BOAT RAMP]	Next to boat launch ramp on east side of Tyee Spit; gravel/cobble beach; moderate slope.
201		Small bay est. 200 m south of boat launch ramp on east side of Tyee Spit; gravel beach, moderate slope.
202	[BOAT RAMP]	Small bay est. 50 m north of boat launch ramp on east side of Tyee Spit; gravel/cobble beach; moderate slope.
21	[McDONALDS]	Est. 200 m north of B.C. ferry dock, Campbell River; gravel/cobble; steep slope. Exposed on tide levels < 2 m; adjacent to rip-rap.
211		On seaward side of rock jetty, government docks, Campbell River; gravel; steep slope. Station used by Habitat Management Division (HMD), Field Services Branch
212	[HIDDEN COVE]	In or at entrance to a small embayment est. 500 m south of Anchor Inn Hotel; cobble; inside a kelp bed; shallow slope. Station also used by HMD/FSB.
213		Est. 200 m north of the Big Rock (shown on chart 3565); gravel/cobble beach; inside a kelp bed; moderate slope. Station used by HMD/FSB only.
22	[NORTH PAINTERS]	Est. 500 m north of Painter's Lodge; sand beach, boulders in lower elevation; moderate slope.
23	[MIDDLE POINT]	Est. 700 m south of Middle Point; sand with boulders in lower elevations; inside a kelp bed; shallow slope.
24	[NYMPH COVE]	Small cove in west side of entrance to Seymour Narrows; gravel with boulders in lower elevations; inside a kelp bed; steep slope; sand flat with eel grass on west beach.
25	[MAUDE BEACH]	Beach est. 1.5 km south of entrance to Saltwater Lagoon; gravel in higher elevation, mud, eel grass in lower elevation, kelp bed; shallow slope

Table 1 (cont'd)

26 [QUADRA]	Beach in front of Walcan Cannery; cobble/boulder; eel grass; kelp beds; moderate to steep slope.
27 [OUTER GOWLLAND]	Beach on southeast side of Gowlland Island; cobble/boulder; kelp beds; moderate slope.
28 [INNER GOWLLAND]	Beach in small cove at south entrance to Gowlland Harbour; cobble, with some boulder; high sea cucumber/sea urchin population; moderate to shallow slope with steep dropoff.
281 [SOUTH GOWLLAND]	Beach with small cobble substrate at south end of Gowlland Island, on channel separating from Quadra Island, moderate slope.
29 [Q. COVE]	Beach on southwest side of ferry dock; sand/mud; shallow slope with steep drop off at outer edge.
291 [Q.COVE LAUNCH RAMP]	Boat launch ramp, northeast of ferry dock; cement ramp with boulder on sides and lower elevations; moderate slope.
292 [UNKAK COVE]	Cove at north end of Quathiaski Cove; sand/mud; eel grass patches; shallow slope.
30 [BROWNS BAY]	Small bay at northwest entrance to Seymour Narrows; approximately 500 m south of Browns Bay; high density kelp bed; cobble with boulder at lower elevations; moderate to steep slope.
31 [PLUMPER BAY]	Beach immediately southeast of rocky cliffs on north side of Plumper Bay; gravel in higher elevation, mud, eel grass in lower elevation, kelp bed; moderate slope.
32 [DEEPWATER BAY]	Beach in southeast corner of Deepwater Bay; gravel/sand beach with small freshwater drainage; moderate slope. Occasionally a site est. 1 km north, with a slightly steeper slope, was sampled.

Table 1 (cont'd)

33 [BEV'S RAMP]	Beach beside shipyard/marine ways on northwest side of Campbell River; gravel/sand; gentle slope.
34 [PAINTERS CHANNEL]	Shore on a channel exposed on tides < est. 2 m; mud/sand with eel grass in lower elevation; shallow slope.
35 [OUTER BAR]	Beach approximately 100 m north of Station 5; Sand/gravel bar, eel grass at lower elevations; moderate slope. Exposed on tides < est. 2 m.
36	Rock/cobble beach est 2 km north of Willow Point; moderate slope. Station used by HMD/FSB only.
37 [LOG SORT]	Within bay of B.C. Forest Products log sorting area; log booms; rip-rap; steep slope.
43	Rock/cobble beach est. 2 km south of Willow Point; moderate slope. Station used by HMD/FSB only.
44	Cobble/sand beach est. 100 m south of north end of Tyee Spit; moderate slope. Station used by HMD/FSB only.
45	Cobble/sand beach est. 500 m south of ore dock; moderate slope. Station used by HMD/FSB only.
47 [FREDS SLOUGH]	Small beach in quiet area of channel south of Bakies Slough; gravel; across from Raven Lumber sorting yard; moderate slope.
48 [FREDS ELBOW]	Small beach on channel south of Bakies Slough; overgrown with willows; wood debris; backing onto Raven Lumber sorting yard; shallow slope.

Table 2. Listing of CWT codes and other data for juvenile chinook recovered at Campbell River estuary and Discovery Passage, 1982.

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
820506	01	1307	05	2	M1019	21-08-24	65	3.2
			05		M1020	21-08-24	67	3.6
820506	07	1345	05	4	M1021	21-08-26	73	4.9
			05		M1022	21-08-25	76	5.4
			05		M1023	21-08-26	64	3.4
			05		M1024	-9	75	5.4
820507	07	1050	05	24	M1936	21-08-26	-1	-1
			05		M1937	21-08-24	-1	-1
			05		M1938	21-08-24	-1	-1
			05		M1939	21-08-22	-1	-1
			05		M1940	21-08-25	-1	-1
			05		M1940	21-08-27	-1	-1
			05		M1941	21-08-22	-1	-1
			05		M1942	21-08-24	-1	-1
			05		M1943	21-08-19	-1	-1
			05		M1944	21-08-27	-1	-1
			05		M1945	21-08-23	-1	-1
			05		M1946	21-08-19	-1	-1
			05		M1947	21-08-26	-1	-1
			05		M1948	21-08-21	-1	-1
			05		M1949	21-08-22	-1	-1
			05		M1950	21-08-25	-1	-1
			05		M1951	21-08-21	-1	-1
			05		M1952	21-08-25	-1	-1
			05		M1953	21-08-25	-1	-1
			05		M1954	21-08-27	-1	-1
			05		M1955	21-08-27	-1	-1
			05		M1956	21-08-22	-1	-1
			05		M1957	21-08-26	-1	-1
			05		M1958	21-08-26	-1	-1
820510	01	1910	05	30	M1959	21-08-26	-1	-1
			05		M1960	21-08-25	-1	-1
			05		M1961	21-08-24	-1	-1
			05		M1962	21-08-22	-1	-1
			05		M1963	21-08-22	-1	-1
			05		M1964	21-08-24	-1	-1
			05		M1965	21-08-25	-1	-1
			05		M1966	21-08-20	-1	-1
			05		M1967	21-08-19	-1	-1
			05		M1968	21-08-23	-1	-1
			05		M1969	21-08-19	-1	-1
			05		M1970	21-08-19	-1	-1
			05		M1971	21-08-20	-1	-1
			05		M1972	21-08-20	-1	-1
			05		M1973	21-08-19	-1	-1
			05		M1974	21-08-25	-1	-1
			05		M1975	21-08-20	-1	-1
			05		M1976	21-08-23	-1	-1

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1977	21-08-21	-1	-1
			05		M1978	21-08-21	-1	-1
			05		M1979	21-08-23	-1	-1
			05		M1980	21-08-22	-1	-1
			05		M1981	21-08-24	-1	-1
			05		M1982	21-08-20	-1	-1
			05		M1983	21-08-24	-1	-1
			05		M1984	21-08-23	-1	-1
			05		M1985	21-08-25	-1	-1
			05		M1986	21-08-20	-1	-1
			05		M1987	21-08-25	-1	-1
			05		M1988	21-08-27	-1	-1
820510	01	2000	05	56	M 1	21-08-25	70	4.5
			05		M 2	21-08-26	73	4.7
			05		M 3	21-08-26	74	5.3
			05		M 4	21-08-22	68	3.9
			05		M 5	21-08-22	67	3.7
			05		M 6	21-08-27	75	5.3
			05		M 7	21-08-26	74	5.2
			05		M 8	21-08-25	70	4.3
			05		M 9	21-08-23	65	3.3
			05		M 10	21-08-21	61	2.9
			05		M 11	21-08-25	63	3.1
			05		M 12	21-08-24	68	4.0
			05		M 13	21-08-25	71	4.5
			05		M 14	21-08-26	74	5.3
			05		M 15	21-08-22	64	3.2
			05		M 16	21-08-19	62	3.1
			05		M 17	-9	73	4.7
			05		M 18	-9	64	3.4
			05		M 19	21-08-24	65	3.4
			05		M 20	21-08-24	68	4.2
			05		M 21	21-08-26	72	4.9
			05		M 22	21-08-27	77	5.8
			05		M 23	21-08-26	70	5.0
			05		M 24	21-08-19	59	2.5
			05		M 25	21-08-19	56	2.3
			05		M 26	21-08-24	68	4.1
			05		M 27	21-08-20	60	2.7
			05		M 28	21-08-22	65	3.4
			05		M 29	21-08-26	71	4.5
			05		M 30	21-08-27	70	4.9
			05		M 31	21-08-26	71	4.7
			05		M 32	21-08-24	67	3.8
			05		M 33	21-08-25	70	4.6
			05		M 34	21-08-20	63	3.2
			05		M 35	21-08-27	70	4.5
			05		M 36	-9	65	3.5
			05		M 37	21-08-26	70	4.6
			05		M 38	21-08-27	72	4.8

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 39	-8	68	3.9
			05		M 40	21-08-24	65	3.6
			05		M 41	-9	64	2.9
			05		M 42	21-08-21	60	2.8
			05		M 43	21-08-27	67	3.8
			05		M 44	21-08-21	62	3.0
			05		M 45	21-08-23	66	3.7
			05		M 46	21-08-24	68	4.1
			05		M 47	21-08-22	63	3.4
			05		M 48	21-08-25	69	4.0
			05		M 49	21-08-25	65	3.5
			05		M 50	21-08-26	70	4.2
			05		M 51	21-08-23	63	3.1
			05		M 52	21-08-25	67	3.7
			05		M 53	21-08-23	62	2.9
			05		M 54	21-08-24	70	4.3
			05		M 55	21-08-22	67	3.7
			05		M 56	21-08-20	61	2.8
820510	07	1325	05	7	M 57	21-08-24	67	3.8
			05		M 58	21-08-27	70	4.1
			05		M 59	21-08-23	66	3.3
			05		M 60	21-08-27	70	4.3
			05		M 61	21-08-19	61	2.9
			05		M 62	21-08-26	68	4.1
			05		M 63	21-08-26	65	3.2
820510	10	1400	05	7	M 66	21-08-25	71	4.2
			05		M 67	21-08-21	62	2.9
			05		M 68	21-08-26	67	3.3
			05		M 69	21-08-24	65	3.4
			05		M 70	21-08-26	73	4.6
			05		M 71	21-08-26	69	3.9
			05		M 72	21-08-27	68	3.9
820510	07	1315	05	1	M 118	21-08-27	67	3.4
820511	191	1055	05	2	M 64	21-08-21	61	3.0
			05		M 65	21-08-20	62	3.1
820511	191	1045	05	1	M 73	21-08-21	57	2.1
820511	01	0805	05	23	M 74	21-08-20	61	2.7
			05		M 75	21-08-22	62	3.0
			05		M 76	21-08-26	70	4.1
			05		M 77	21-08-24	68	3.7
			05		M 78	21-08-25	72	4.6
			05		M 79	21-08-24	67	3.7
			05		M 80	21-08-23	66	3.1
			05		M 81	21-08-21	64	2.9
			05		M 82	21-08-19	62	2.9

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 83	21-08-22	68	3.6
			05		M 84	21-08-22	65	3.3
			05		M 85	21-08-24	65	3.1
			05		M 86	21-08-25	64	3.2
			05		M 87	21-08-20	59	2.4
			05		M 88	21-08-26	73	4.6
			05		M 89	21-08-22	63	3.0
			05		M 90	21-08-27	76	5.5
			05		M 91	21-08-23	68	3.9
			05		M 92	21-08-23	65	3.1
			05		M 93	21-08-22	68	3.9
			05		M 94	-8	57	2.2
			05		M 95	-8	68	3.8
			05		M 96	21-08-21	56	2.0
820511	01	0735	05	7	M 97	21-08-25	69	4.0
			05		M 98	21-08-20	62	2.9
			05		M 99	21-08-19	61	2.7
			05		M 100	21-08-21	54	1.9
			05		M 101	21-08-22	55	2.0
			05		M 102	21-08-19	53	1.7
			05		M 103	21-08-22	58	2.1
820511	07	1130	05	14	M 104	21-08-25	72	4.4
			05		M 105	21-08-25	67	3.8
			05		M 106	21-08-25	69	4.1
			05		M 107	21-08-21	66	3.6
			05		M 108	21-08-26	68	3.8
			05		M 109	21-08-25	71	4.2
			05		M 110	21-08-27	70	4.3
			05		M 111	21-08-23	63	2.9
			05		M 112	21-08-20	64	3.3
			05		M 113	21-08-23	67	3.3
			05		M 114	21-08-20	61	2.6
			05		M 115	21-08-19	61	2.8
			05		M 116	21-08-22	61	3.7
			05		M 117	21-08-22	65	3.7
820517	16	1735	05	1	M1794	-9	60	2.5
820517	03	1945	05	14	M 185	23-02-03	87	8.3
			05		M 186	21-08-27	76	5.1
			05		M 187	21-08-27	68	3.5
			05		M 188	23-02-03	74	4.6
			05		M 189	21-08-27	77	5.0
			05		M 190	-8	75	5.0
			05		M 191	-7	77	5.2
			05		M 192	23-02-03	78	5.3
			05		M 193	21-08-27	77	5.2
			05		M 194	21-08-24	69	3.7
			05		M 195	23-02-03	79	5.6

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 196	21-08-24	72	4.3
			05		M 197	23-02-03	77	5.7
			05		M 198	23-02-03	87	8.2
820517	07	1210	05	46	M 199	23-02-03	99	13.7
			05		M 200	-7	90	8.7
			05		M 201	23-02-03	88	8.6
			05		M 202	23-02-03	80	6.2
			05		M 203	23-02-03	90	8.8
			05		M 204	23-02-03	85	7.7
			05		M 205	21-08-19	62	2.8
			05		M 206	21-08-26	70	3.6
			05		M 207	21-08-25	81	6.7
			05		M 208	23-02-03	72	4.3
			05		M 209	21-08-25	69	3.8
			05		M 210	21-08-23	68	3.7
			05		M 211	23-02-03	67	3.3
			05		M 212	23-02-03	87	9.1
			05		M 213	23-02-03	80	6.4
			05		M 214	23-02-03	78	6.2
			05		M 215	21-08-23	69	4.0
			05		M 216	-8	71	4.2
			05		M 217	21-08-25	73	4.5
			05		M 218	21-08-24	73	4.9
			05		M 219	23-02-03	86	8.7
			05		M 220	23-02-03	84	7.0
			05		M 222	-8	59	2.4
			05		M 223	21-08-24	74	4.9
			05		M 224	21-02-24	70	4.0
			05		M 225	-8	67	3.5
			05		M1989	23-08-03	96	9.7
			05		M1990	21-08-20	73	4.0
			05		M1991	21-08-23	70	3.3
			05		M1992	21-08-23	71	3.5
			05		M1993	21-08-23	72	3.9
			05		M1994	21-08-19	69	3.3
			05		M1995	21-08-22	73	3.7
			05		M1996	21-02-03	97	10.1
			05		M1997	21-08-25	79	4.8
			05		M1998	21-08-22	67	3.2
			05		M1999	21-08-21	64	2.7
			05		M2000	23-02-03	89	8.0
			05		M2001	21-08-27	76	4.6
			05		M2001	21-08-20	68	2.8
			05		M2003	-9	77	4.4
			05		M2004	21-08-20	69	3.4
			05		M2005	21-08-25	71	4.1
			05		M2006	23-02-03	83	5.6
			05		M2007	21-08-24	71	3.7
			05		M2008	-9	68	2.9

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
820517	01	2030	05	74	M 165	21-08-19	65	3.3
			05		M 166	21-08-27	79	5.5
			05		M 167	21-08-25	73	4.5
			05		M 168	23-02-03	74	5.1
			05		M 169	21-08-26	78	5.6
			05		M 170	21-08-22	68	3.8
			05		M 171	21-08-23	66	3.4
			05		M 172	21-08-22	69	4.2
			05		M 173	21-08-22	66	3.2
			05		M 174	21-08-25	75	4.8
			05		M 175	-8	71	4.2
			05		M 176	21-08-26	70	4.3
			05		M 177	21-08-25	75	4.9
			05		M 178	21-08-23	75	5.2
			05		M 179	21-08-26	74	4.7
			05		M 180	-7	71	4.2
			05		M 181	21-08-24	71	4.1
			05		M 182	21-08-20	58	2.4
			05		M 183	21-08-26	76	5.0
			05		M 184	-9	61	2.5
			05		M 233	21-08-24	73	4.8
			05		M 234	21-08-23	63	3.1
			05		M 235	23-02-03	82	6.8
			05		M 236	-8	89	8.4
			05		M 237	-9	69	3.9
			05		M 238	21-08-27	78	5.9
			05		M 239	21-08-32	73	4.0
			05		M 240	21-08-26	72	4.5
			05		M 241	21-08-20	59	2.5
			05		M 242	21-08-23	71	3.8
			05		M 243	21-08-26	68	3.5
			05		M 244	21-08-26	69	4.0
			05		M 245	21-08-23	71	4.3
			05		M 246	21-08-24	69	3.7
			05		M 247	21-08-26	74	5.1
			05		M 248	21-08-21	61	2.7
			05		M 249	21-08-27	74	4.5
			05		M 250	-9	89	8.8
			05		M 251	23-02-03	80	6.2
			05		M 252	21-08-25	78	5.5
			05		M 253	23-02-03	85	5.5
			05		M 254	23-02-03	85	5.5
			05		M 255	21-08-22	66	3.1
			05		M 256	21-08-24	73	5.3
			05		M 257	21-08-26	73	4.5
			05		M 258	-8	63	2.9
			05		M 259	21-08-19	63	3.2
			05		M 260	21-08-20	61	2.7
			05		M 261	21-08-24	70	4.2
			05		M 262	23-02-03	79	5.6
			05		M 263	-7	74	5.1

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 264	21-08-26	74	4.6
			05		M 265	21-08-25	69	3.6
			05		M 266	23-02-03	84	7.5
			05		M 267	21-08-20	65	3.0
			05		M 268	-7	78	5.7
			05		M 269	21-08-26	72	4.5
			05		M 270	21-08-20	67	3.5
			05		M 271	21-08-21	64	3.2
			05		M 272	23-02-03	76	5.3
			05		M 273	23-02-03	75	5.4
			05		M 274	21-08-25	65	3.2
			05		M 275	21-08-23	71	4.2
			05		M 276	21-08-25	73	4.6
			05		M 277	-7	66	3.5
			05		M 278	21-08-23	71	4.5
			05		M 279	-7	71	4.2
			05		M 280	21-08-24	70	4.1
			05		M 281	-7	68	3.7
			05		M 282	21-08-23	64	3.2
			05		M 283	21-08-24	70	3.9
			05		M 284	21-08-22	65	3.4
			05		M 285	21-08-27	75	5.2
			05		M 286	-7	70	4.6
820518	201	1145	05	4	M 119	-9	100	12.2
			05		M 120	23-02-03	93	9.9
			05		M 121	23-02-03	86	7.0
			05		M 122	23-02-03	91	8.4
820518	202	1200	05	47	M 123	23-02-03	96	9.8
			05		M 124	23-02-03	93	10.2
			05		M 125	23-02-03	89	9.4
			05		M 126	23-02-03	85	7.6
			05		M 127	23-02-03	83	7.2
			05		M 128	23-02-03	82	7.4
			05		M 129	23-02-03	81	6.1
			05		M 130	23-02-03	76	5.4
			05		M 131	23-02-03	81	6.2
			05		M 132	23-02-03	78	5.9
			05		M 133	21-08-27	67	3.6
			05		M 134	23-02-03	75	5.2
			05		M 135	23-02-03	84	7.7
			05		M 136	23-02-03	80	5.9
			05		M 137	-8	79	6.8
			05		M 138	21-08-24	71	4.2
			05		M 139	23-02-03	70	4.8
			05		M 140	-7	77	5.8
			05		M 141	23-02-03	87	8.0
			05		M 142	23-02-03	77	5.1
			05		M 143	-7	73	4.6
			05		M 144	23-02-03	74	4.6

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 145	23-02-03	84	6.9
			05		M 146	23-02-03	88	8.5
			05		M 147	23-02-03	91	9.0
			05		M 148	23-02-03	91	8.8
			05		M 149	23-02-03	89	8.8
			05		M 150	23-02-03	79	6.1
			05		M 151	23-02-03	68	3.9
			05		M 152	21-08-25	78	5.4
			05		M 153	21-08-26	76	5.4
			05		M 154	21-08-25	72	4.7
			05		M 155	23-02-03	84	7.2
			05		M 156	23-02-03	87	7.7
			05		M 157	23-02-03	83	6.8
			05		M 158	21-08-26	73	4.5
			05		M 159	21-08-27	78	5.5
			05		M 160	-8	76	5.1
			05		M 161	23-02-03	87	7.8
			05		M 162	23-02-03	88	8.2
			05		M 163	21-08-24	71	4.1
			05		M 164	-9	83	6.6
			05		M 227	23-02-03	95	9.4
			05		M 228	23-02-03	83	6.9
			05		M 229	21-08-19	64	3.5
			05		M 230	23-02-03	83	6.6
			05		M 231	23-02-03	87	7.8
820518	07	1330	05	1	M 232	23-02-03	87	8.6
820525	21	2010	05	1	M 400	20-02-28	79	-1
820525	211	2030	05	7	M 393	23-02-03	91	-1
			05		M 394	23-02-03	88	-1
			05		M 395	23-02-03	93	-1
			05		M 396	22-02-29	86	-1
			05		M 397	23-02-03	94	-1
			05		M 398	23-02-03	93	-1
			05		M 399	23-02-03	92	-1
820526	01	1910	05	1	M 446	21-08-22	77	5.7
820528	07	0850	05	23	M 423	21-08-26	73	5.2
			05		M 424	21-08-20	66	3.8
			05		M 425	-9	70	3.9
			05		M 426	21-08-26	80	6.6
			05		M 427	23-02-03	96	11.1
			05		M 428	23-02-03	79	6.1
			05		M 429	23-02-03	90	8.8
			05		M 430	23-02-03	104	13.6
			05		M 431	-8	94	10.0
			05		M 432	23-02-03	89	8.8
			05		M 433	21-08-32	81	6.5

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 434	21-08-25	82	7.0
			05		M 435	21-08-29	81	5.9
			05		M 436	21-08-26	83	6.9
			05		M 437	23-02-03	87	7.9
			05		M 438	23-02-03	91	9.1
			05		M 439	21-08-33	82	6.5
			05		M 440	23-02-03	85	7.4
			05		M 441	-8	89	8.6
			05		M 442	-8	84	7.1
			05		M 443	21-08-36	89	8.6
			05		M 444	21-08-24	81	6.6
			05		M 445	21-08-27	88	8.5
820528	06	0940	05	5	M 447	23-02-03	87	9.7
			05		M 448	21-08-22	77	5.9
			05		M 449	21-08-22	76	5.8
			05		M 450	23-02-03	88	9.1
			05		M 451	21-08-27	80	6.6
820528	07	0835	05	14	M 453	21-08-35	86	7.5
			05		M 454	-7	89	8.2
			05		M 455	21-08-25	77	5.2
			05		M 456	21-08-21	72	4.4
			05		M 457	-7	81	6.2
			05		M 459	21-08-24	81	6.0
			05		M 461	21-08-23	76	4.9
			05		M 462	-9	80	5.7
			05		M 463	23-02-03	85	6.4
			05		M 464	-7	79	5.8
			05		M 465	-7	72	3.7
			05		M 466	-7	85	6.9
			05		M 467	-7	69	3.8
			05		M 468	-7	76	5.0
820528	34	1310	05	4	M 469	21-08-25	83	6.8
			05		M 470	23-02-03	98	11.4
			05		M 471	21-08-26	85	6.9
			05		M 472	23-02-03	96	10.9
820529	212	0945	05	2	M 319	21-08-35	89	7.3
			05		M 320	21-08-33	85	6.1
820529	34	1325	05	2	M 321	21-08-28	79	6.0
			05		M 322	-9	79	6.0
820529	04	1510	05	19	M 336	-8	79	5.6
			05		M 337	21-08-28	77	5.3
			05		M 338	21-08-26	79	6.1
			05		M 339	21-08-26	86	7.6
			05		M 340	21-08-25	80	5.9
			05		M 341	21-08-29	79	6.3

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 342	23-02-03	76	6.5
			05		M 343	23-02-03	98	11.2
			05		M 344	21-08-31	83	7.1
			05		M 345	21-08-29	78	5.8
			05		M 346	21-08-33	82	6.7
			05		M 347	21-08-33	82	5.8
			05		M 348	21-08-26	87	8.0
			05		M 349	23-02-03	88	7.9
			05		M 350	21-08-19	79	5.9
			05		M 351	23-02-03	96	9.8
			05		M 352	21-08-29	69	4.1
			05		M 353	23-02-03	99	11.3
			05		M 354	21-08-35	68	3.9
820529	05	1530	05	3	M 367	23-02-03	99	11.6
			05		M 368	23-02-03	97	11.2
			05		M 369	-8	80	6.3
820529	33	0825	05	9	M 473	21-08-30	80	5.8
			05		M 474	21-08-33	83	6.7
			05		M 475	21-08-35	84	7.1
			05		M 476	21-08-25	84	6.7
			05		M 477	21-08-28	83	6.8
			05		M 478	21-08-31	86	7.0
			05		M 479	21-08-23	82	6.2
			05		M 480	21-08-30	63	3.1
			05		M 481	21-08-22	76	4.8
820530	22	0945	05	16	M 287	-7	83	6.5
			05		M 288	21-08-30	77	4.8
			05		M 289	21-08-29	81	5.6
			05		M 290	-9	74	4.0
			05		M 291	-7	75	4.0
			05		M 292	21-08-31	84	6.1
			05		M 293	21-08-28	88	7.1
			05		M 294	21-08-26	87	6.9
			05		M 295	21-08-36	79	5.6
			05		M 296	21-08-23	82	6.7
			05		M 297	-7	80	5.1
			05		M 298	-7	77	4.6
			05		M 299	21-08-32	83	7.0
			05		M 300	21-08-33	81	5.7
			05		M 301	21-08-24	72	3.9
			05		M 302	-7	71	3.7
820530	07	0710	05	16	M 303	23-02-03	87	8.1
			05		M 304	21-08-33	84	7.0
			05		M 305	23-02-03	82	6.4
			05		M 306	21-08-27	84	7.4
			05		M 307	21-08-25	72	4.3
			05		M 308	21-08-32	84	6.9

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 309	21-08-27	83	6.3
			05		M 310	23-02-03	76	5.2
			05		M 311	23-02-03	96	10.8
			05		M 312	23-02-03	82	6.4
			05		M 313	21-08-25	80	5.9
			05		M 314	21-08-31	81	6.4
			05		M 315	21-08-36	87	7.6
			05		M 316	21-08-35	91	9.2
			05		M 317	21-08-21	65	3.4
			05		M 318	21-08-19	70	4.0
820530	202	0855	05	13	M 323	21-08-33	83	5.9
			05		M 324	-7	80	5.[illegible]
			05		M 325	-8	79	5.5
			05		M 326	-7	73	3.9
			05		M 327	21-08-23	81	6.6
			05		M 328	21-08-33	82	6.4
			05		M 329	-8	84	6.2
			05		M 330	21-08-32	84	6.3
			05		M 331	21-08-28	77	4.8
			05		M 332	21-08-33	84	6.4
			05		M 333	21-08-25	80	6.0
			05		M 334	21-08-25	84	6.7
			05		M 335	21-08-33	81	5.6
820530	01	0800	05	12	M 355	21-08-23	82	6.4
			05		M 356	23-02-03	89	7.7
			05		M 357	21-08-28	79	5.7
			05		M 358	23-02-03	84	7.1
			05		M 359	21-08-35	87	8.0
			05		M 360	23-02-03	84	6.7
			05		M 361	21-08-27	86	7.0
			05		M 362	21-08-26	82	6.3
			05		M 363	23-02-03	85	7.5
			05		M 364	23-02-03	90	8.8
			05		M 365	21-08-21	83	6.4
			05		M 366	21-08-30	80	5.6
820603	04	1430	05	8	M 586	21-08-29	81	6.0
			05		M 587	21-08-33	84	7.5
			05		M 588	21-08-23	80	6.3
			05		M 589	21-08-21	73	4.5
			05		M 590	21-08-31	84	6.5
			05		M 591	-9	84	6.8
			05		M 592	21-08-33	84	6.4
			05		M 593	21-08-33	83	6.2
820604	07	1955	05	11	M 594	21-08-36	88	7.9
			05		M 595	21-08-36	91	9.0
			05		M 596	21-08-29	79	6.6
			05		M 597	21-08-33	82	5.8

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 598	21-08-28	73	4.4
			05		M 599	21-08-36	87	7.2
			05		M 600	23-02-03	84	6.1
			05		M 601	-9	86	7.6
			05		M 602	23-02-03	99	11.7
			05		M 603	21-08-32	82	6.3
			05		M 604	-9	75	5.0
820605	04	1240	05	33	M 543	23-02-03	103	14.0
			05		M 544	-8	100	12.1
			05		M 545	23-02-03	89	9.5
			05		M 546	21-08-25	89	8.5
			05		M 547	23-02-03	100	12.9
			05		M 548	-8	87	8.1
			05		M 549	21-08-26	90	8.7
			05		M 550	21-08-24	84	6.8
			05		M 551	23-02-03	95	10.9
			05		M 552	21-08-34	87	7.8
			05		M 553	-6	82	6.8
			05		M 482	21-08-32	87	7.9
			05		M 483	23-02-03	104	14.0
			05		M 484	23-02-03	101	13.5
			05		M 485	23-02-03	97	10.9
			05		M 486	21-08-33	87	7.4
			05		M 487	23-02-03	106	15.1
			05		M 488	23-02-03	86	7.9
			05		M 489	21-02-23	89	8.3
			05		M 490	23-02-03	102	13.7
			05		M 491	23-02-03	90	8.8
			05		M 492	23-02-03	87	7.9
			05		M 493	21-08-35	93	10.5
			05		M 494	21-08-24	84	7.6
			05		M 495	-9	74	5.1
			05		M 496	21-08-28	84	8.0
			05		M 497	-8	94	10.0
			05		M 498	21-08-26	95	11.0
			05		M 499	21-08-33	83	7.3
			05		M 500	-9	78	5.7
			05		M 501	21-08-31	85	7.6
			05		M 502	23-02-03	88	8.8
			05		M 503	21-08-29	84	7.5
820605	07	1915	05	28	M 504	-7	83	7.7
			05		M 505	21-08-29	82	6.6
			05		M 506	23-02-04	74	4.4
			05		M 507	23-02-03	99	12.4
			05		M 508	21-08-32	88	8.1
			05		M 509	-8	92	9.9
			05		M 510	23-02-03	90	9.2
			05		M 511	23-02-03	97	11.8
			05		M 512	23-02-04	90	8.7

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 513	21-08-25	82	6.8
			05		M 514	23-02-04	77	5.4
			05		M 515	23-02-03	83	7.4
			05		M 516	21-08-28	81	6.8
			05		M 517	21-08-22	79	5.7
			05		M 518	21-08-25	91	9.2
			05		M 528	21-08-35	92	8.4
			05		M 529	21-08-25	85	6.9
			05		M 530	23-02-03	95	11.2
			05		M 531	21-08-31	90	9.1
			05		M 532	23-02-04	83	6.8
			05		M 533	21-08-23	86	8.0
			05		M 534	21-08-35	87	8.0
			05		M 535	21-08-35	87	9.1
			05		M 536	23-02-03	89	8.1
			05		M 537	21-08-30	77	5.5
			05		M 538	-8	91	8.8
			05		M 539	21-08-26	89	8.9
			05		M 540	21-08-31	86	7.5
820605	14	1345	05	2	M 541	-9	83	7.4
			05		M 542	21-08-21	72	5.1
820605	01	1945	05	12	M 564	-7	90	9.0
			05		M 565	21-08-33	89	9.4
			05		M 566	21-08-34	88	8.8
			05		M 567	-9	77	6.3
			05		M 568	-8	92	10.9
			05		M 569	23-02-03	92	10.9
			05		M 570	21-08-24	91	11.0
			05		M 571	21-08-22	80	6.7
			05		M 572	-9	75	5.8
			05		M 573	21-08-32	87	8.4
			05		M 574	21-08-32	87	7.8
			05		M 575	21-08-33	85	7.3
820606	07	0840	05	9	M 519	21-08-22	77	6.0
			05		M 520	21-08-25	80	7.0
			05		M 521	21-08-32	81	6.5
			05		M 522	23-02-03	100	12.5
			05		M 523	23-02-04	80	6.7
			05		M 524	21-08-28	78	6.0
			05		M 525	21-08-36	88	8.4
			05		M 526	-7	90	9.0
			05		M 527	21-08-28	83	6.9
820606	04	1000	05	20	M 554	-8	91	9.4
			05		M 555	21-08-31	96	11.5
			05		M 556	23-02-03	101	12.7
			05		M 557	21-08-26	88	8.5
			05		M 558	21-08-29	89	8.7

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 559	21-08-31	89	8.8
			05		M 560	21-08-36	97	10.4
			05		M 561	23-02-03	96	10.6
			05		M 562	21-08-35	88	7.9
			05		M 563	21-08-22	85	7.5
			05		M 576	23-02-03	98	11.4
			05		M 577	21-08-36	90	8.9
			05		M 578	23-02-03	92	9.6
			05		M 579	23-02-04	89	8.3
			05		M 580	23-02-03	98	11.0
			05		M 581	23-02-03	92	10.0
			05		M 582	23-02-03	93	10.4
			05		M 583	21-08-29	83	6.3
			05		M 584	21-08-35	95	10.4
			05		M 585	21-08-32	87	7.8
820606	07	0840	05	11	M 605	21-08-28	79	6.1
			05		M 606	21-08-34	91	10.1
			05		M 607	23-02-04	91	9.2
			05		M 608	21-08-35	91	9.9
			05		M 609	23-02-03	97	11.3
			05		M 610	21-08-32	87	8.6
			05		M 611	21-08-33	83	7.2
			05		M 612	21-08-29	77	5.3
			05		M 613	21-08-26	86	8.5
			05		M 614	21-08-23	82	7.2
			05		M 615	21-08-30	77	6.2
820616	23	1840	05	1	M 616	21-08-19	77	6.1
820616	20	1415	05	16	M 617	-9	96	10.6
			05		M 618	21-08-26	101	12.7
			05		M 619	23-02-03	82	8.0
			05		M 620	21-08-35	100	11.1
			05		M 623	23-02-03	70	4.0
			05		M 625	23-02-03	114	19.1
			05		M 626	21-08-23	101	14.3
			05		M 629	21-08-19	88	8.7
			05		M 630	-9	61	2.5
			05		M 631	21-08-31	95	10.8
			05		M 632	23-02-04	91	9.7
			05		M 633	23-02-04	96	11.6
			05		M 634	21-08-34	98	12.3
			05		M 635	21-08-21	92	10.5
			05		M 636	21-08-39	88	9.1
			05		M 637	21-08-33	97	13.3
820616	23	1840	05	9	M 638	21-08-27	106	15.8
			05		M 639	-8	117	21.9
			05		M 640	21-08-22	103	14.6
			05		M 641	-7	107	18.7

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 642	21-08-34	101	15.5
			05		M 644	21-08-36	105	15.0
			05		M 645	23-02-03	102	15.4
			05		M 647	21-08-32	96	11.1
820616	21	1500	05	7	M 648	21-08-33	93	9.3
			05		M 649	23-02-03	110	16.9
			05		M 650	23-02-03	118	20.9
			05		M 651	21-08-22	99	10.5
			05		M 652	21-08-33	97	11.2
			05		M 654	21-08-20	88	7.9
			05		M 655	23-02-04	104	12.7
820616	07	1220	05	19	M 898	21-08-30	78	5.0
			05		M 899	-8	95	10.7
			05		M 900	23-02-03	101	12.7
			05		M 901	21-08-34	96	11.5
			05		M 902	21-08-34	102	12.6
			05		M 903	21-08-34	78	5.7
			05		M 904	21-08-33	94	9.3
			05		M 905	-9	90	8.4
			05		M 906	21-08-27	100	12.1
			05		M 907	23-02-04	94	9.3
			05		M 908	23-02-04	89	8.6
			05		M 909	21-08-31	88	7.4
			05		M 910	23-02-03	79	6.1
			05		M 911	23-02-04	97	7.9
			05		M 912	21-08-28	79	8.0
			05		M 913	21-08-36	91	8.2
			05		M 914	21-08-20	84	7.1
			05		M 915	21-08-22	95	9.3
			05		M 916	21-08-35	99	11.1
820617	34	0920	05	13	M 656	21-08-37	90	9.2
			05		M 657	21-08-37	89	8.7
			05		M 658	21-08-37	90	9.2
			05		M 659	23-02-03	110	16.9
			05		M 660	23-02-03	97	12.1
			05		M 661	21-08-34	105	16.2
			05		M 662	23-02-04	98	11.4
			05		M 663	23-02-03	109	16.9
			05		M 664	21-08-21	76	5.2
			05		M 665	21-08-29	89	9.0
			05		M 666	21-08-43	98	11.4
			05		M 667	21-08-35	102	12.8
			05		M 668	21-08-33	89	9.8
820617	34	0930	05	15	M 670	23-02-04	97	12.6
			05		M 671	21-08-32	95	11.3
			05		M 672	21-08-31	94	11.6
			05		M 673	23-02-03	99	13.9

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 674	-9	80	5.7
			05		M 675	23-02-04	83	7.5
			05		M 676	21-08-21	72	4.6
			05		M 677	21-08-43	98	13.4
			05		M 678	21-08-33	92	10.9
			05		M 679	21-08-33	96	13.3
			05		M 680	21-08-30	90	9.8
			05		M 681	21-08-24	85	8.6
			05		M 682	21-08-42	88	7.4
			05		M 683	21-08-45	90	11.1
			05		M 684	23-02-04	94	11.6
820617	07	1255	05	11	M 685	21-08-38	84	7.3
			05		M 686	23-02-04	86	7.4
			05		M 687	21-08-35	95	10.8
			05		M 688	23-02-04	85	8.5
			05		M 689	-9	85	7.9
			05		M 690	21-08-20	77	6.2
			05		M 691	23-02-04	74	5.6
			05		M 692	23-02-04	90	9.2
			05		M 693	23-02-03	96	9.3
			05		M 694	23-02-03	108	19.0
			05		M 695	21-08-26	92	8.2
820617	05	0850	05	22	M 722	21-08-30	84	7.6
			05		M 723	21-08-28	90	9.4
			05		M 724	21-08-44	97	10.9
			05		M 726	21-08-25	106	15.3
			05		M 727	21-08-23	88	9.9
			05		M 728	21-08-36	95	12.0
			05		M 729	23-02-04	97	11.2
			05		M 730	21-08-21	74	5.0
			05		M 731	21-08-36	79	13.7
			05		M 698	21-08-34	104	14.9
			05		M 699	23-02-03	99	13.8
			05		M 700	23-02-04	98	12.6
			05		M 701	21-08-21	81	6.8
			05		M 702	21-08-25	89	9.7
			05		M 703	21-08-32	99	12.7
			05		M 705	21-08-36	100	13.1
			05		M 706	23-02-04	91	9.0
			05		M 707	-9	91	9.7
			05		M 708	21-08-20	89	10.5
			05		M 709	23-02-04	99	11.2
			05		M 710	21-08-30	87	8.4
			05		M 711	21-08-37	88	8.3
820617	04	1230	05	12	M 696	23-02-04	101	15.2
			05		M 697	23-02-04	94	11.9
			05		M 712	23-02-04	83	7.1
			05		M 713	21-08-20	93	12.0

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 714	21-08-23	92	10.5
			05		M 715	21-08-21	85	8.4
			05		M 716	21-08-28	94	11.6
			05		M 717	21-08-35	100	13.0
			05		M 718	21-08-38	82	7.9
			05		M 719	21-08-29	80	6.4
			05		M 720	21-08-27	94	10.9
			05		M 721	23-02-04	98	12.7
820617	05	0840	05	10	M 732	21-08-22	100	14.0
			05		M 734	23-02-04	94	10.0
			05		M 735	21-08-25	94	11.5
			05		M 736	21-08-40	92	10.4
			05		M 737	21-08-45	93	10.4
			05		M 738	21-08-34	99	12.8
			05		M 739	21-08-34	99	13.1
			05		M 740	21-08-33	88	9.0
			05		M 741	21-08-40	90	9.0
			05		M 742	21-08-29	85	7.1
820617	20	1500	05	16	M 917	23-02-03	90	9.6
			05		M 918	21-08-35	88	8.5
			05		M 919	21-08-23	81	7.2
			05		M 920	21-08-30	79	6.4
			05		M 921	-8	80	6.3
			05		M 922	21-08-22	76	5.7
			05		M 923	23-02 03	86	8.0
			05		M 924	21-08-36	86	7.5
			05		M 925	-9	73	3.8
			05		M 926	21-08-29	74	5.1
			05		M 927	-9	75	5.7
			05		M 928	21-08-22	72	4.9
			05		M 929	23-02-03	94	10.4
			05		M 930	23-02-03	87	8.0
			05		M 931	21-08-23	84	7.9
			05		M 932	21-08-33	84	6.6
820618	25	1250	05	8	M 743	21-08-32	102	14.3
			05		M 744	23-02-03	108	16.2
			05		M 745	21-08-20	97	11.3
			05		M 746	21-08-36	97	12.8
			05		M 747	21-08-24	103	14.1
			05		M 748	21-08-32	98	12.8
			05		M 749	23-02-03	111	17.6
			05		M 750	21-08-31	106	15.3
820618	04	1925	05	16	M 751	21-08-31	97	10.9
			05		M 752	-8	77	4.8
			05		M 753	21-08-43	81	5.2
			05		M 754	21-08-39	84	7.0
			05		M 755	21-08-43	101	11.1

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 756	21-08-39	83	5.1
			05		M 757	21-08-43	98	11.3
			05		M 758	21-08-41	98	8.9
			05		M 759	21-08-39	89	8.8
			05		M 760	21-08-39	85	7.6
			05		M 761	21-08-45	93	10.0
			05		M 762	21-08-39	84	6.9
			05		M 763	21-08-42	88	7.8
			05		M 764	23-02-04	93	8.6
			05		M 765	21-08-37	86	7.5
			05		M 766	21-08-38	79	9.3
820618	212	1835	05	3	M 767	23-02-04	93	7.6
			05		M 768	21-08-19	100	12.6
			05		M 769	21-08-23	112	16.1
820618	20	1500	05	3	M 770	21-08-43	99	11.1
			05		M 771	23-02-04	83	6.9
			05		M 772	-7	96	10.7
820618	04	1920	05	13	M 773	21-08-43	95	11.9
			05		M 774	21-08-21	93	10.9
			05		M 775	21-08-35	104	14.9
			05		M 776	21-08-39	86	7.8
			05		M 777	23-02-04	90	8.3
			05		M 778	21-08-35	95	10.3
			05		M 779	21-08-21	84	7.7
			05		M 780	21-08-24	90	7.8
			05		M 781	21-08-29	83	7.0
			05		M 782	21-08-25	94	10.3
			05		M 783	21-08-37	92	9.7
			05		M 784	21-08-39	83	7.3
			05		M 785	-9	69	3.6
820618	31	0910	05	4	M 786	23-02-03	118	19.3
			05		M 787	21-08-31	106	16.0
			05		M 788	21-08-31	106	16.3
			05		M 789	21-08-23	101	14.1
820619	07	1400	05	8	M 790	21-08-42	90	9.7
			05		M 791	21-08-42	93	11.0
			05		M 792	21-08-32	94	11.0
			05		M 793	21-08-29	88	8.2
			05		M 794	-9	89	9.2
			05		M 795	23-02-04	86	7.8
			05		M 796	21-08-39	78	6.0
			05		M 797	23-02-04	86	7.6
820619	07	1805	05	17	M 798	21-08-32	95	11.7
			05		M 799	23-02-04	84	7.9
			05		M 800	-9	89	8.3

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 801	23-02-04	97	10.7
			05		M 802	23-02-04	92	8.9
			05		M 803	21-08-41	93	9.6
			05		M 804	23-02-03	87	7.8
			05		M 805	21-08-26	111	18.9
			05		M 806	21-08-23	87	8.1
			05		M 807	21-08-23	82	6.8
			05		M 808	23-02-04	88	8.4
			05		M 809	21-08-19	76	5.9
			05		M 810	21-08-29	87	7.6
			05		M 811	21-08-38	88	8.5
			05		M 812	21-08-21	85	7.9
			05		M 813	21-08-19	80	6.6
			05		M 814	23-02-04	105	14.2
820619	05	0840	05	14	M 815	21-08-29	99	11.4
			05		M 816	21-08-41	93	9.3
			05		M 817	21-08-44	100	11.4
			05		M 818	21-08-26	85	8.2
			05		M 819	-9	99	10.5
			05		M 820	21-08-32	96	11.0
			05		M 821	-8	98	11.1
			05		M 822	21-08-44	99	13.1
			05		M 823	21-08-33	98	11.2
			05		M 824	23-02-03	106	15.4
			05		M 825	23-02-04	86	6.8
			05		M 826	21-08-27	97	11.7
			05		M 827	21-08-19	81	6.9
			05		M 828	-7	82	7.3
820619	34	0955	05	22	M 829	21-08-39	80	6.6
			05		M 830	23-02-04	79	8.0
			05		M 831	21-08-42	90	9.0
			05		M 832	21-08-41	93	9.3
			05		M 833	23-02-03	107	15.0
			05		M 834	21-08-41	95	11.6
			05		M 835	21-08-39	79	6.1
			05		M 836	21-08-19	71	4.5
			05		M 837	21-08-43	100	12.6
			05		M 838	21-08-42	90	9.1
			05		M 839	21-08-30	94	12.4
			05		M 840	21-08-41	87	8.1
			05		M 841	21-08-39	80	6.5
			05		M 842	21-08-42	94	10.1
			05		M 843	-8	73	5.5
			05		M 844	21-08-40	91	9.7
			05		M 845	21-08-39	95	10.4
			05		M 846	21-08-38	85	6.9
			05		M 847	21-08-37	87	7.7
			05		M 848	21-08-19	89	8.5
			05		M 849	21-08-42	88	8.2

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 850	23-02-03	81	5.9
820619	04	0815	05	10	M 851	23-02-03	94	8.9
			05		M 852	21-08-41	93	8.3
			05		M 853	-8	98	9.9
			05		M 854	21-08-35	105	13.1
			05		M 855	21-08-28	100	12.2
			05		M 856	-8	123	23.3
			05		M 857	21-08-20	97	11.0
			05		M 858	21-08-40	95	9.3
			05		M 859	21-08-21	91	8.8
			05		M 860	23-02-04	99	10.0
820619	35	0930	05	18	M 861	21-08-27	99	12.2
			05		M 862	21-08-26	102	14.6
			05		M 863	21-08-19	86	8.2
			05		M 864	-9	76	5.1
			05		M 865	21-08-42	91	8.7
			05		M 866	-9	91	9.5
			05		M 867	21-08-32	93	10.1
			05		M 868	21-08-38	85	7.3
			05		M 869	21-08-28	92	9.4
			05		M 870	23-02-03	76	4.9
			05		M 871	21-08-19	83	7.4
			05		M 872	21-08-30	82	6.3
			05		M 873	-8	101	12.3
			05		M 874	21-08-43	99	11.0
			05		M 875	-9	96	10.4
			05		M 876	21-08-33	95	10.1
			05		M 877	-8	82	6.2
			05		M 878	23-02-04	86	7.2
820619	01	1830	05	33	M 933	21-08-30	96	12.2
			05		M 934	23-02-03	105	16.3
			05		M 935	23-02-04	79	6.0
			05		M 936	-7	110	19.5
			05		M 937	23-02-03	109	18.8
			05		M 938	21-08-32	99	13.7
			05		M 939	21-08-31	107	15.6
			05		M 940	-7	101	14.3
			05		M 941	21-08-42	90	9.3
			05		M 942	21-08-33	101	14.7
			05		M 943	21-08-37	85	8.1
			05		M 944	23-02-03	99	12.8
			05		M 945	21-08-35	108	17.0
			05		M 946	21-08-30	93	10.3
			05		M 947	21-08-24	112	18.8
			05		M 948	21-08-19	90	9.4
			05		M 949	21-08-22	100	14.4
			05		M 950	23-02-03	109	17.9
			05		M 951	23-02-03	101	14.2

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 952	21-08-30	96	12.5
			05		M 953	21-08-37	94	10.9
			05		M 954	-9	90	9.9
			05		M 955	21-08-23	101	13.9
			05		M 956	21-08-26	112	20.6
			05		M 957	21-08-42	89	8.9
			05		M 958	21-08-36	101	12.5
			05		M 959	23-02-03	106	15.2
			05		M 960	21-08-21	83	8.0
			05		M 961	-9	96	10.7
			05		M 962	21-08-23	104	15.1
			05		M 963	23-02-04	95	9.7
			05		M 964	23-02-04	89	9.2
			05		M 965	21-08-20	90	9.4
820619	20	1915	05	7	M1012	21-08-19	81	-1
			05		M1013	21-08-44	103	-1
			05		M1014	21-08-33	90	-1
			05		M1015	-7	96	-1
			05		M1016	-9	80	-1
			05		M1017	-9	94	-1
			05		M1018	21-08-25	88	-1
820620	08	0850	05	13	M 879	21-08-43	97	11.2
			05		M 880	21-08-37	93	10.5
			05		M 881	-8	85	7.4
			05		M 882	21-08-39	8	8.2
			05		M 883	21-08-42	90	8.0
			05		M 884	23-02-04	91	8.6
			05		M 885	21-08-38	89	9.2
			05		M 886	21-08-44	79	6.0
			05		M 887	21-08-39	82	6.6
			05		M 888	23-02-04	87	8.3
			0		M 889	21-08-39	97	10.8
			05		M 890	21-08-39	103	14.4
			05		M 891	21-08-37	83	7.5
820620	08	0855	05	6	M 892	21-08-43	90	9.9
			05		M 893	21-08-39	81	6.5
			05		M 894	21-08-45	97	11.7
			05		M 895	23-02-04	101	11.4
			05		M 896	-9	88	8.0
			05		M 897	21-08-44	100	12.1
820620	07	0820	05	23	M 966	21-08-22	85	7.5
			05		M 967	21-08-34	106	15.1
			05		M 968	23-02-03	94	11.3
			0		M 969	21-08-43	97	11.55
			05		M 970	23-02-04	92	10.3
			05		M 971	21-08-39	82	6.8
			05		M 972	21-08-31	94	11.7

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M 973	21-08-38	87	8.8
			05		M 974	21-08-23	90	9.5
			05		M 975	21-08-36	102	13.5
			05		M 976	21-08-40	93	10.6
			05		M 977	-9	88	8.8
			05		M 978	23-02-04	84	7.5
			05		M 979	21-08-44	96	11.1
			05		M 980	21-08-45	96	11.2
			05		M 981	21-08-30	90	9.6
			05		M 982	-7	94	11.6
			05		M 983	23-02-04	93	11.1
			05		M 984	21-08-21	85	8.3
			05		M 985	21-08-32	96	13.1
			05		M 986	23-02-03	93	10.9
			05		M 987	23-02-04	96	11.0
			05		M 988	21-08-45	94	11.2
820623	213	2200	05	2	M 989	-9	94	10.1
			05		M 990	21-08-41	95	8.9
			05		M 991	21-08-33	105	14.3
			05		M 992	21-08-24	120	20.9
			05		M 993	-9	107	15.1
			05		M 994	21-08-39	87	6.8
			05		M 995	23-02-03	98	9.9
			05		M 996	-9	94	8.4
			05		M 997	23-02-03	94	9.2
			05		M 998	21-08-42	90	7.9
			05		M 999	21-08-43	99	11.6
			05		M1000	23-02-04	101	11.0
			05		M1001	21-08-42	93	9.3
			05		M1002	21-08-32	100	10.2
			05		M1003	21-08-29	99	8.2
			05		M1004	23-02-01	91	8.4
			05		M1005	21-08-45	101	11.2
			05		M1006	23-02-04	96	10.5
			05		M1007	21-08-44	96	9.9
			05		M1008	21-08-39	88	7.6
			05		M1009	23-02-03	120	22.3
			05		M1010	21-08-37	91	7.9
			05		M1011	23-02-04	94	8.8
820628	07	1225	05	3	M1025	21-08-19	86	7.7
			05		M1026	23-02-03	101	14.4
			05		M1027	-7	100	12.1
820628	01	1250	05	3	M1028	21-08-37	98	11.4
			05		M1029	-7	91	9.2
			05		M1030	21-08-33	100	12.6
820629	25	1035	05	5	M1031	21-08-22	95	9.5
			05		M1032	21-08-37	100	11.4

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1033	21-08-33	102	12.2
			05		M1034	23-02-03	125	22.1
			05		M1035	21-08-33	98	10.6
820629	24	0945	05	1	M1036	21-08-29	107	13.7
820629	07	1433	05	7	M1037	23-02-03	115	19.9
			05		M1038	21-08-44	105	14.4
			05		M1039	-7	97	10.5
			05		M1040	21-08-43	102	12.1
			05		M1041	21-08-41	99	11.2
			05		M1042	21-08-37	96	11.1
			05		M1043	21-08-22	71	4.4
820629	01	1825	05	2	M1053	21-08-36	108	15.5
			05		M1054	-9	100	11.8
820629	08	1905	05	11	M1055	21-08-44	99	11.0
			05		M1056	23-02-04	107	14.9
			05		M1057	21-08-23	91	8.8
			05		M1058	21-08-41	96	9.1
			05		M1059	21-08-38	102	11.9
			05		M1060	23-02-04	89	7.2
			05		M1061	21-08-40	94	9.0
			05		M1062	21-08-34	124	25.1
			05		M1063	21-08-43	106	12.5
			05		M1064	21-08-44	110	16.7
			05		M1065	21-08-40	98	10.0
820629	08	1915	05	19	M1044	21-08-40	99	12.0
			05		M1045	23-02-03	110	17.4
			05		M1046	21-08-41	99	11.4
			05		M1047	21-08-38	99	11.4
			05		M1048	21-08-44	106	15.1
			05		M1049	21-08-45	100	11.4
			05		M1050	23-02-03	131	30.9
			05		M1051	21-08-24	98	12.1
			05		M1052	21-08-44	104	13.4
			05		M1066	21-08-43	105	11.9
			05		M1067	21-08-45	103	12.3
			05		M1068	23-02-03	119	22.1
			05		M1069	-9	91	8.9
			05		M1070	21-08-42	94	9.1
			05		M1071	21-08-42	92	8.9
			05		M1072	21-08-41	101	12.5
			05		M1073	-9	85	7.0
			05		M1074	21-08-35	102	13.4
			05		M1075	23-02-03	122	24.5
820629	31	0817	05	2	M1076	21-08-43	98	10.1
			05		M1077	21-08-41	101	12.6

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
820629	21	1740	05	3	M1089	23-02-04	113	18.8
			05		M1090	21-08-28	109	16.0
			05		M1091	23-02-04	111	16.5
820630	05	0820	05	31	M1095	21-08-37	90	8.4
			05		M1096	21-08-33	84	7.2
			05		M1097	-7	99	12.6
			05		M1098	21-08-37	93	8.9
			05		M1099	21-08-43	107	14.1
			05		M1100	21-08-38	89	8.0
			05		M1101	21-08-45	96	10.4
			05		M1102	21-08-45	108	14.5
			05		M1103	21-08-29	100	10.8
			05		M1104	21-08-39	87	7.0
			05		M1105	21-08-40	102	12.0
			05		M1106	21-08-37	96	9.9
			05		M1107	23-02-04	103	12.3
			05		M1108	21-08-42	93	8.7
			05		M1109	23-02-04	97	10.5
			05		M1110	-9	96	9.6
			05		M1111	21-08-38	86	6.8
			05		M1112	21-08-19	95	9.9
			05		M1113	21-08-38	96	9.9
			05		M1114	21-08-34	117	18.7
			05		M1078	21-08-37	100	12.1
			05		M1079	23-02-04	88	8.1
			05		M1080	21-08-19	93	9.3
			05		M1081	23-02-04	98	10.2
			05		M1082	21-08-44	111	16.2
			05		M1083	21-08-42	95	10.1
			05		M1084	21-08-45	102	11.2
			05		M1085	21-08-25	107	17.1
			05		M1086	21-08-41	96	10.1
			05		M1087	21-08-30	95	8.8
			05		M1088	21-08-38	92	9.0
820630	21	0915	05	2	M1092	21-08-37	106	12.3
			05		M1093	21-08-45	105	12.2
820630	22	0745	05	1	M1094	21-08-37	102	12.5
820706	36	2020	05	2	M1541	21-08-36	109	15.4
			05		M1542	21-08-40	103	12.6
820707	34	1240	05	2	M1115	21-08-28	114	20.2
			05		M1116	21-08-44	105	14.4
820707	34	1235	05	10	M1117	21-08-24	93	9.0
			05		M1118	21-08-23	107	15.6
			05		M1119	21-08-29	90	8.3

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1120	21-08-38	96	10.5
			05		M1121	21-08-38	92	9.7
			05		M1122	21-08-37	98	10.5
			05		M1123	21-08-42	107	12.6
			05		M1124	21-08-24	107	14.7
			05		M1125	21-08-20	101	13.0
			05		M1126	21-08-19	95	10.6
820707	20	1840	05	1	M1134	23-02-03	103	13.7
820707	01	1500	05	5	M1135	-9	109	16.5
			05		M1136	21-08-43	109	18.1
			05		M1137	21-08-33	106	14.7
			05		M1138	21-08-45	112	17.3
			05		M1139	21-08-38	104	12.8
820707	45	2000	05	8	M1543	21-08-20	106	14.7
			05		M1544	21-08-30	98	11.7
			05		M1545	21-08-44	111	17.5
			05		M1546	23-02-04	93	9.3
			05		M1547	23-02-04	105	14.2
			05		M1548	21-08-31	103	13.1
			05		M1549	21-08-20	101	13.1
			05		M1550	21-08-41	105	14.4
820707	45	2025	05	4	M1551	-7	107	14.8
			05		M1552	21-08-42	104	13.3
			05		M1553	21-08-38	106	14.4
			05		M1554	21-08-29	102	13.6
820708	27	1325	05	4	M1140	21-08-24	112	17.2
			05		M1141	21-08-35	122	23.3
			05		M1142	21-08-41	104	12.1
			05		M1143	21-08-28	107	14.0
820708	01	1520	05	9	M1144	21-08-28	101	13.8
			05		M1145	21-08-49	103	13.3
			05		M1146	21-08-45	110	15.9
			05		M1147	21-08-47	98	11.1
			05		M1148	21-08-53	107	14.5
			05		M1149	21-08-52	114	20.0
			05		M1150	21-08-38	98	13.4
			05		M1151	21-08-53	110	15.2
			05		M1152	21-08-49	102	12.8
820708	23	1255	05	10	M1153	23-02-03	104	12.8
			05		M1154	23-02-04	96	9.2
			05		M1155	21-08-38	105	14.2
			05		M1156	21-08-41	103	12.7
			05		M1157	21-08-39	102	10.5
			05		M1158	21-08-20	98	10.8

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1159	21-08-44	118	13.6
			05		M1160	21-08-32	124	24.5
			05		M1161	21-08-43	110	14.1
			05		M1162	23-02-04	117	15.5
820708	31	0925	05	1	M1163	21-08-33	109	14.2
820708	21	1440	05	14	M1164	21-08-39	105	14.9
			05		M1165	21-08-20	85	7.9
			05		M1166	23-02-04	100	12.7
			05		M1167	21-08-22	92	9.9
			05		M1168	21-08-41	101	11.9
			05		M1169	21-08-38	95	9.6
			05		M1170	-9	102	12.3
			05		M1171	21-08-44	105	12.5
			05		M1172	21-08-38	104	12.5
			05		M1173	21-08-38	93	8.5
			05		M1174	23-02-04	100	12.0
			05		M1175	21-08-38	92	8.5
			05		M1176	21-08-42	102	11.4
			05		M1177	21-08-29	98	11.4
820708	07	1545	05	14	M1178	21-08-49	104	13.7
			05		M1179	21-08-46	95	12.2
			05		M1180	21-08-53	102	11.8
			05		M1181	21-08-46	94	10.6
			05		M1182	21-08-53	105	15.2
			05		M1183	21-08-50	106	15.1
			05		M1184	21-08-50	103	11.8
			05		M1185	21-08-53	100	13.7
			05		M1186	21-08-50	102	11.9
			05		M1187	21-08-47	95	9.6
			05		M1188	21-08-42	105	14.0
			05		M1189	21-08-49	101	13.1
			05		M1190	21-08-46	83	6.8
			05		M1191	21-08-49	102	11.9
820708	32	0855	05	1	M1192	21-08-37	99	10.3
820708	25	1150	05	20	M1127	21-08-36	120	22.7
			05		M1128	21-08-20	95	11.7
			05		M1129	21-08-33	105	12.4
			05		M1130	21-08-24	114	19.8
			05		M1131	21-08-35	126	25.5
			05		M1132	21-08-22	109	15.9
			05		M1133	23-02-03	122	21.8
			05		M1193	21-08-38	98	10.3
			05		M1194	23-02-04	96	9.9
			05		M1195	21-08-19	82	6.4
			05		M1196	23-02-04	107	15.0
			05		M1197	21-08-39	100	10.6

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1198	21-08-42	103	12.9
			05		M1199	21-08-39	97	9.9
			05		M1200	21-08-37	99	10.6
			05		M1201	21-08-39	96	9.0
			05		M1202	23-02-04	105	16.0
			05		M1203	21-08-22	91	9.1
			05		M1204	21-08-39	93	9.2
			05		M1205	23-02-03	119	20.3
820708	24	1050	05	5	M1206	21-08-37	113	13.3
			05		M1207	21-08-28	104	14.1
			05		M1208	21-08-20	101	12.6
			05		M1209	21-08-19	96	11.1
			05		M1210	-9	99	12.6
820709	07	0730	05	15	M1211	21-08-46	100	10.6
			05		M1212	21-08-53	114	15.7
			05		M1213	21-08-52	105	12.8
			05		M1214	21-08-52	114	17.8
			05		M1215	21-08-52	116	18.4
			05		M1216	21-08-49	104	13.1
			05		M1217	21-08-19	95	9.9
			05		M1218	21-08-47	96	14.7
			05		M1219	21-08-49	94	8.9
			05		M1220	21-08-37	97	11.2
			05		M1221	21-08-50	100	12.6
			05		M1222	21-08-53	107	15.7
			05		M1223	21-08-52	105	13.8
			05		M1224	21-08-20	100	12.0
			05		M1225	23-02-04	108	13.2
820709	08	0750	05	10	M1226	21-08-52	110	17.9
			05		M1227	-7	92	8.8
			05		M1228	21-08-46	98	11.4
			05		M1229	21-08-46	96	10.4
			05		M1230	21-08-33	112	16.0
			05		M1231	21-08-52	108	15.0
			05		M1232	21-08-53	109	16.6
			05		M1233	21-08-53	115	17.4
			05		M1234	21-08-52	111	16.7
			05		M1235	21-08-47	81	6.5
820709	21	0915	05	24	M1248	21-08-49	102	12.2
			05		M1249	21-08-32	125	23.9
			05		M1250	21-08-52	125	19.4
			05		M1251	21-08-49	97	11.2
			05		M1252	21-08-31	114	17.8
			05		M1253	21-08-24	98	10.5
			05		M1254	21-08-49	97	12.0
			05		M1255	21-08-37	107	15.5
			05		M1256	21-08-49	100	13.1

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1257	21-08-37	85	9.4
			05		M1258	21-08-46	100	11.6
			05		M1259	21-08-40	104	13.5
			05		M1260	21-08-24	124	30.9
			05		M1236	21-08-46	96	10.4
			05		M1237	21-08-23	128	31.5
			05		M1238	21-08-22	102	14.5
			05		M1239	-9	90	8.5
			05		M1240	21-08-49	102	12.5
			05		M1241	21-08-22	104	14.8
			05		M1242	21-08-38	97	10.4
			05		M1243	-9	124	22.7
			05		M1244	21-08-46	96	10.1
			05		M1245	21-08-42	110	16.6
			05		M1246	21-08-38	98	10.5
820709	27	1400	05	1	M1247	23-02-04	117	21.6
820709	34	1225	05	10	M1261	23-02-04	110	15.9
			05		M1262	21-08-47	93	11.3
			05		M1263	21-08-25	103	14.0
			05		M1264	21-08-47	93	9.7
			05		M1265	21-08-23	112	15.8
			05		M1266	21-08-28	94	9.5
			05		M1267	21-08-53	106	14.2
			05		M1268	21-08-46	95	9.7
			05		M1269	21-08-49	117	13.7
			05		M1270	21-08-34	122	23.2
820709	05	1125	05	20	M1271	21-08-52	102	13.1
			05		M1272	21-08-50	100	11.6
			05		M1273	21-08-47	95	10.0
			05		M1274	21-08-53	106	14.4
			05		M1275	21-08-53	103	13.3
			05		M1276	21-08-37	103	11.7
			05		M1277	21-08-50	100	11.7
			05		M1278	21-08-49	99	11.1
			05		M1279	21-08-52	109	15.1
			05		M1280	21-08-52	108	14.4
			05		M1284	21-08-53	113	18.0
			05		M1285	21-08-52	108	16.1
			05		M1286	21-08-52	107	15.2
			05		M1287	21-08-27	115	20.8
			05		M1288	21-08-39	106	11.0
			05		M1289	21-08-40	107	14.9
			05		M1290	21-08-52	117	20.6
			05		M1291	21-08-53	114	14.0
			05		M1292	21-08-53	102	11.9
			05		M1293	23-02-04	100	11.5
820709	27	1420	05	3	M1281	21-08-31	116	18.5

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1282	21-08-43	108	13.9
			05		M1283	21-08-38	98	10.5
820709	20	0955	05	2	M1294	21-08-52	106	14.4
			05		M1295	21-08-49	103	13.8
820709	34	1215	05	14	M1296	21-08-52	103	13.2
			05		M1297	21-08-47	95	10.6
			05		M1298	21-08-49	102	14.2
			05		M1299	21-08-41	94	9.8
			05		M1300	21-08-41	102	12.2
			05		M1301	21-08-53	106	15.6
			05		M1302	21-08-49	99	11.9
			05		M1303	21-08-29	109	14.7
			05		M1304	21-08-52	116	17.8
			05		M1305	21-08-33	109	16.0
			05		M1306	21-08-49	102	12.8
			05		M1307	21-08-52	99	13.7
			05		M1308	23-02-04	94	9.6
			05		M1309	-9	106	13.5
820709	07	1455	05	18	M1310	21-08-46	94	9.0
			05		M1311	21-08-49	98	12.6
			05		M1312	21-08-47	88	8.1
			05		M1313	21-08-46	90	8.8
			05		M1314	21-08-21	87	7.4
			05		M1315	21-08-46	95	9.0
			05		M1316	21-08-49	104	13.0
			05		M1317	21-08-53	109	14.5
			05		M1318	-7	82	6.5
			05		M1319	-7	100	12.9
			05		M1320	-7	93	11.3
			05		M1321	-7	108	16.0
			05		M1322	-7	86	7.8
			05		M1323	-7	95	9.8
			05		M1324	-7	97	10.4
			05		M1325	-7	95	11.3
			05		M1326	21-08-47	88	7.6
			05		M1327	21-08-52	104	14.3
820710	21	1410	05	7	M1328	21-08-46	97	10.0
			05		M1329	21-08-19	113	18.3
			05		M1330	-8	105	12.7
			05		M1331	21-08-44	116	17.9
			05		M1332	21-08-46	94	9.0
			05		M1333	21-08-37	95	9.5
			05		M1334	21-08-50	102	12.0
820710	05	1135	05	15	M1335	-9	88	7.7
			05		M1336	21-08-38	94	9.5
			05		M1337	-7	104	12.9

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1338	21-08-38	98	11.4
			05		M1339	-9	87	7.5
			05		M1340	21-08-38	88	8.1
			05		M1341	21-08-42	105	14.2
			05		M1342	23-02-04	104	13.9
			05		M1343	23-02-04	107	12.7
			05		M1344	23-02-04	108	15.7
			05		M1345	21-08-46	97	10.0
			05		M1346	-9	94	9.6
			05		M1347	21-08-37	99	10.7
			05		M1348	21-08-39	95	10.2
			05		M1349	21-08-46	86	7.8
820710	34	1235	05	25	M1505	21-08-53	110	16.8
			05		M1506	21-08-52	114	16.2
			05		M1507	21-08-49	99	11.3
			05		M1508	21-08-50	100	12.4
			05		M1509	21-08-47	89	7.6
			05		M1510	-9	107	15.4
			05		M1511	21-08-50	104	12.6
			05		M1512	-7	110	16.3
			05		M1513	21-08-47	94	9.3
			05		M1514	21-08-52	109	15.5
			05		M1515	21-08-47	89	8.4
			05		M1516	21-08-53	105	16.2
			05		M1517	21-08-49	110	14.3
			05		M1350	21-08-50	107	15.4
			05		M1351	21-08-52	107	15.8
			05		M1352	21-08-22	119	21.6
			05		M1353	21-08-50	98	10.2
			05		M1354	21-08-53	105	14.2
			05		M1355	21-08-29	106	14.3
			05		M1356	21-08-50	103	12.2
			05		M1357	21-08-49	99	12.6
			05		M1358	21-08-49	106	14.8
			05		M1359	21-08-45	114	16.9
			05		M1360	21-08-52	106	14.2
			05		M1361	21-08-46	90	9.0
820710	07	0750	05	12	M1362	21-08-37	104	11.7
			05		M1363	21-08-44	111	15.5
			05		M1364	21-08-47	97	10.6
			05		M1365	23-02-04	102	14.0
			05		M1366	21-08-49	100	12.2
			05		M1367	21-08-23	105	13.7
			05		M1368	21-08-52	116	20.3
			05		M1369	-8	110	17.8
			05		M1370	21-08-52	108	15.1
			05		M1371	21-08-44	110	14.5
			05		M1372	-9	100	13.9
			05		M1373	23-02-04	110	17.4

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
820710	04	1440	05	14	M1374	-9	97	10.3
			05		M1375	21-08-52	114	18.5
			05		M1376	21-08-47	90	8.8
			05		M1377	21-08-46	96	9.9
			05		M1378	-9	95	9.3
			05		M1379	21-08-47	96	10.7
			05		M1380	21-08-49	104	13.0
			05		M1381	-9	132	26.0
			05		M1382	21-08-50	105	13.3
			05		M1383	21-08-53	107	15.4
			05		M1384	21-08-49	100	11.8
			05		M1385	21-08-47	107	11.2
			05		M1386	-7	103	12.8
			05		M1387	21-08-47	94	9.8
820710	05	1135	05	13	M1388	21-08-39	90	7.5
			05		M1389	21-08-49	102	12.5
			05		M1390	21-08-42	102	12.5
			05		M1391	21-08-23	124	19.0
			05		M1392	21-08-30	100	10.7
			05		M1393	21-08-38	100	11.1
			05		M1394	21-08-29	111	17.7
			05		M1395	21-08-20	82	6.3
			05		M1396	23-02-04	104	12.8
			05		M1397	21-08-37	98	11.4
			05		M1398	21-08-46	89	8.8
			05		M1399	21-08-30	97	11.1
			05		M1400	23-02-04	91	8.3
820710	01	1750	05	5	M1401	21-08-53	109	15.0
			05		M1402	21-08-46	94	9.4
			05		M1403	-9	86	7.8
			05		M1404	21-08-52	105	13.6
			05		M1405	21-08-46	101	11.7
820710	08	0810	05	10	M1406	21-08-52	114	17.5
			05		M1407	21-08-46	101	11.8
			05		M1408	21-08-46	99	10.3
			05		M1409	21-08-39	90	8.8
			05		M1410	21-08-49	104	14.4
			05		M1411	21-08-40	97	9.2
			05		M1412	21-08-49	103	12.1
			05		M1413	21-08-46	100	12.1
			05		M1414	21-08-53	110	15.5
			05		M1415	23-02-04	107	15.2
820710	04	1800	05	12	M1416	21-08-52	110	16.4
			05		M1417	21-08-50	106	14.6
			05		M1418	21-08-52	85	7.3
			05		M1419	21-08-47	82	6.0

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1420	21-08-49	104	13.9
			05		M1421	-7	95	9.7
			05		M1422	21-08-47	95	9.1
			05		M1423	21-08-47	83	7.2
			05		M1424	21-08-47	98	10.8
			05		M1425	21-08-47	90	9.1
			05		M1426	21-08-50	108	14.0
			05		M1427	21-08-49	103	12.9
820710	21	1010	05	20	M1428	21-08-42	103	11.3
			05		M1429	21-08-47	92	8.5
			05		M1430	-7	107	12.5
			05		M1431	21-08-46	87	7.4
			05		M1432	21-08-35	116	19.3
			05		M1433	21-08-37	97	10.9
			05		M1434	21-08-32	108	14.8
			05		M1435	21-08-40	123	27.1
			05		M1436	21-08-44	122	23.5
			05		M1437	21-08-20	105	14.7
			05		M1438	21-08-52	105	12.3
			05		M1439	23-02-04	107	15.5
			05		M1440	21-08-33	109	15.1
			05		M1441	21-08-32	118	20.3
			05		M1442	21-08-43	117	20.4
			05		M1443	21-08-32	112	17.4
			05		M1444	21-08-52	108	12.6
			05		M1445	21-08-29	110	17.0
			05		M1446	23-02-04	104	12.4
			05		M1447	21-08-24	105	13.6
820710	07	1725	05	14	M1458	21-08-49	105	13.3
			05		M1459	21-08-53	114	20.1
			05		M1460	21-08-52	111	16.4
			05		M1461	-7	101	12.2
			05		M1462	21-08-52	106	14.1
			05		M1463	21-08-50	102	12.6
			05		M1464	21-08-52	104	14.7
			05		M1465	21-08-49	105	13.0
			05		M1466	21-08-46	97	10.7
			05		M1467	21-08-53	114	15.7
			05		M1468	21-08-49	102	11.8
			05		M1469	21-08-49	102	12.5
			05		M1470	-7	82	6.3
			05		M1471	21-08-50	102	12.6
820711	07	0847	05	10	M1448	21-08-47	96	11.4
			05		M1449	21-08-50	105	14.2
			05		M1450	21-08-46	94	10.1
			05		M1451	21-08-46	90	9.9
			05		M1452	21-08-46	102	13.3
			05		M1453	21-08-36	107	17.6

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1454	21-08-53	106	15.8
			05		M1455	-7	110	15.6
			05		M1456	-7	95	9.5
			05		M1457	-9	90	7.9
820711	01	0750	05	9	M1483	21-08-46	91	8.1
			05		M1484	21-08-52	112	17.4
			05		M1485	21-08-50	103	12.0
			05		M1486	21-08-47	93	9.1
			05		M1487	21-08-50	101	11.7
			05		M1488	21-08-47	93	8.5
			05		M1489	21-08-23	109	17.1
			05		M1490	-7	109	17.0
			05		M1491	-9	98	10.7
820711	07	0728	05	22	M1492	21-08-52	107	15.4
			05		M1493	21-08-47	98	11.0
			05		M1494	21-08-53	109	15.7
			05		M1495	21-08-53	107	15.7
			05		M1496	21-08-46	95	9.5
			05		M1497	21-08-49	100	12.0
			05		M1498	21-08-52	111	17.0
			05		M1499	21-08-49	104	13.1
			05		M1500	21-08-47	98	11.3
			05		M1501	21-08-32	109	17.9
			05		M1502	21-08-23	107	14.3
			05		M1503	21-08-49	95	11.9
			05		M1504	21-08-49	103	12.6
			05		M1518	21-08-50	106	14.7
			05		M1519	21-08-46	93	9.6
			05		M1520	21-08-46	97	10.8
			05		M1521	21-08-50	104	13.2
			05		M1522	21-08-49	102	13.1
			05		M1523	21-08-49	103	12.8
			05		M1524	21-08-52	107	15.4
			05		M1525	21-08-52	110	15.6
			05		M1526	21-08-47	94	11.5
820711	04	0800	05	25	M1472	21-08-49	99	11.2
			05		M1473	21-08-47	85	6.4
			05		M1474	21-08-30	102	13.5
			05		M1475	21-08-46	92	8.8
			05		M1476	21-08-53	108	15.1
			05		M1477	21-08-47	100	11.2
			05		M1478	-9	109	16.7
			05		M1479	21-08-46	84	7.3
			05		M1480	21-08-50	103	13.6
			05		M1481	21-08-46	100	12.1
			05		M1482	23-02-04	122	20.9
			05		M1527	21-08-50	108	13.6
			05		M1528	21-08-50	103	13.6

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1529	-9	117	18.8
			05		M1530	21-08-47	91	8.0
			05		M1531	21-08-43	111	14.4
			05		M1532	21-08-47	89	8.4
			05		M1533	21-08-52	107	15.0
			05		M1534	21-08-47	94	9.7
			05		M1535	21-08-53	107	14.9
			05		M1536	-9	96	10.4
			05		M1537	21-08-46	90	8.3
			05		M1538	21-08-53	111	16.9
			05		M1539	23-02-04	100	11.8
			05		M1540	21-08-47	93	9.3
820719	04	1325	05	20	M1786	21-08-49	112	15.1
			05		M1787	21-08-52	117	17.4
			05		M1788	21-08-52	111	16.3
			05		M1789	21-08-47	95	8.9
			05		M1635	21-08-50	113	16.5
			05		M1636	21-08-46	94	9.5
			05		M1637	21-08-52	112	15.4
			05		M1638	21-08-49	105	13.1
			05		M1639	21-08-49	108	14.0
			05		M1640	21-08-49	102	10.9
			05		M1641	21-08-20	122	22.6
			05		M1642	21-08-50	100	11.2
			05		M1643	21-08-21	94	10.7
			05		M1644	21-08-49	104	13.2
			05		M1645	21-08-50	108	12.9
			05		M1646	21-08-20	94	10.3
			05		M1647	21-08-52	112	15.8
			05		M1648	21-08-35	125	28.0
			05		M1649	21-08-30	103	13.3
			05		M1650	21-08-49	110	14.9
820719	07	1855	05	18	M1651	21-08-28	91	8.3
			05		M1652	21-08-49	107	15.2
			05		M1653	21-08-46	90	8.5
			05		M1654	21-08-49	114	16.9
			05		M1655	23-02-03	118	22.3
			05		M1656	21-08-53	110	15.7
			05		M1657	21-08-49	111	16.4
			05		M1658	21-08-50	109	15.2
			05		M1659	23-02-03	134	32.0
			05		M1660	21-08-47	104	11.4
			05		M1661	21-08-52	116	17.1
			05		M1662	21-08-49	106	12.8
			05		M1663	21-08-32	120	18.2
			05		M1664	21-08-50	105	12.7
			05		M1665	21-08-38	99	12.2
			05		M1666	21-08-50	100	10.7
			05		M1667	21-08-39	105	11.2

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1785	21-08-53	114	15.4
820719	212	1400	05	1	M1683	21-08-25	109	16.0
820719	05	1310	05	4	M1668	21-08-52	111	15.9
			05		M1669	21-08-52	116	10.5
			05		M1670	-7	104	13.5
			05		M1784	21-08-53	110	12.2
820719	21	1420	05	14	M1671	21-08-44	123	20.9
			05		M1672	23-02-03	116	19.1
			05		M1673	21-08-38	116	18.1
			05		M1674	21-08-42	107	15.0
			05		M1675	23-02-04	132	30.0
			05		M1676	23-02-04	126	23.1
			05		M1677	23-02-04	143	38.9
			05		M1678	21-08-28	118	21.2
			05		M1679	21-08-46	97	10.4
			05		M1680	21-08-19	88	7.9
			05		M1681	21-08-42	110	15.6
			05		M1682	21-08-23	111	16.4
			05		M1782	21-08-39	105	11.9
			05		M1783	21-08-47	96	8.1
820720	21	1440	05	22	M1595	-9	143	39.2
			05		M1596	-9	133	30.9
			05		M1597	21-08-30	127	25.7
			05		M1598	21-08-44	122	22.1
			05		M1599	-9	118	20.8
			05		M1600	21-08-20	124	24.9
			05		M1601	21-08-31	126	26.3
			05		M1602	21-08-35	132	30.5
			05		M1603	21-08-45	125	24.9
			05		M1604	23-02-04	135	30.3
			05		M1605	23-02-03	129	27.8
			05		M1606	21-08-28	114	20.7
			05		M1618	21-08-53	113	14.2
			05		M1619	-9	139	38.9
			05		M1620	21-08-23	134	31.1
			05		M1621	-7	139	31.9
			05		M1622	21-08-47	91	8.5
			05		M1623	21-08-36	138	37.0
			05		M1624	21-08-26	134	29.4
			05		M1625	21-08-37	111	15.3
			05		M1626	21-08-38	106	14.2
			05		M1627	21-08-31	138	34.8
820720	24	1025	05	19	M1607	21-08-20	107	14.8
			05		M1608	21-08-30	115	17.8
			05		M1609	21-08-39	119	17.8
			05		M1610	21-08-28	122	20.0

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1611	23-02-04	99	11.1
			05		M1612	21-08-28	105	12.4
			05		M1613	21-08-20	100	12.9
			05		M1614	21-08-34	121	19.0
			05		M1615	-7	121	18.9
			05		M1616	21-08-37	113	16.2
			05		M1617	21-08-37	106	13.5
			05		M1628	21-08-38	102	12.5
			05		M1629	21-08-20	119	19.7
			05		M1630	21-08-49	110	12.8
			05		M1631	21-08-31	121	19.5
			05		M1632	23-02-04	120	18.6
			05		M1633	21-08-29	111	15.6
			05		M1634	21-08-47	92	9.0
			05		M1790	21-08-50	101	10.5
820721	07	0745	05	5	M1570	-7	115	20.0
			05		M1571	21-08-40	110	18.1
			05		M1572	21-08-24	119	23.8
			05		M1573	21-08-53	122	21.4
			05		M1574	21-08-53	115	18.3
820721	07	0800	05	2	M1580	21-08-50	108	14.9
			05		M1793	21-08-52	110	14.5
820721	01	1045	05	3	M1581	21-08-53	110	15.5
			05		M1582	21-08-49	108	15.5
			05		M1583	21-08-52	105	13.7
820721	05	1005	05	21	M1560	21-08-52	115	17.8
			05		M1561	21-08-46	101	12.3
			05		M1562	21-08-52	108	16.1
			05		M1563	21-08-46	100	12.6
			05		M1564	21-08-37	102	12.7
			05		M1565	21-08-47	102	12.8
			05		M1566	-9	102	13.2
			05		M1567	21-08-47	88	8.5
			05		M1568	21-08-46	94	9.8
			05		M1569	21-08-49	111	17.7
			05		M1584	21-08-47	95	10.5
			05		M1585	21-08-32	107	15.8
			05		M1586	21-08-53	119	21.8
			05		M1587	21-08-46	96	9.6
			05		M1588	-9	95	10.2
			05		M1589	21-08-25	124	19.7
			05		M1590	21-08-41	115	21.0
			05		M1591	21-08-21	100	12.9
			05		M1592	21-08-50	108	15.0
			05		M1593	-9	100	11.5
			05		M1594	21-08-33	117	20.0

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
820721	34	0930	05	7	M1575	-9	95	9.4
			05		M1576	21-08-50	104	13.5
			05		M1577	21-08-52	111	16.6
			05		M1578	21-08-49	111	16.3
			05		M1579	21-08-46	98	11.6
			05		M1791	23-02-04	106	13.1
			05		M1792	21-08-46	105	13.0
820727	09	1440	05	1	M1868	21-08-46	114	17.7
820803	08	1945	05	3	M1684	21-08-23	112	20.6
			05		M1685	21-08-19	105	15.9
			05		M1686	21-08-20	120	24.9
820803	01	1855	05	3	M1687	23-02-04	120	21.7
			05		M1688	21-08-50	119	18.2
			05		M1689	-9	114	20.2
			05					
820803	21	1420	05	2	M1699	21-08-38	108	14.6
			05		M1802	21-08-50	97	8.9
820803	04	1330	05	3	M1700	21-08-46	107	14.3
			05		M1701	21-08-29	116	17.9
			05		M1702	21-08-47	101	12.0
820803	07	1925	05	5	M1796	21-08-26	148	44.2
			05		M1797	21-08-41	108	14.9
			05		M1798	21-08-30	113	18.4
			05		M1799	21-08-46	102	11.3
			05		M1781	21-08-30	127	27.2
820803	08	1940	05	1	M1800	21-08-37	102	14.1
820804	24	1150	05	4	M1690	23-02-04	118	19.5
			05		M1691	23-02-04	108	15.9
			05		M1692	-9	107	10.8
			05		M1693	21-08-21	110	15.3
820804	01	1910	05	6	M1694	21-08-47	92	8.7
			05		M1695	21-08-20	110	16.0
			05		M1696	21-08-46	105	11.0
			05		M1697	21-08-19	123	20.9
			05		M1698	21-08-38	115	20.8
			05		M1801	21-08-47	110	15.7
820804	25	1215	05	1	M1703	21-08-46	106	13.0
820804	07	1935	05	4	M1704	21-08-30	115	17.3
			05		M1705	21-08-38	105	13.4
			05		M1706	21-08-19	125	23.5
			05		M1707	21-08-52	125	23.0

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
820805	07	1930	05	6	M1708	21-08-39	111	17.4
			05		M1709	21-08-45	136	34.6
			05		M1710	21-08-25	156	47.9
			05		M1711	21-08-23	117	20.8
			05		M1712	21-08-19	90	9.1
			05		M1713	21-08-47	99	10.8
820805	04	1205	05	13	M1803	21-08-41	120	21.8
			05		M1804	21-08-53	122	23.9
			05		M1805	21-08-37	105	13.1
			05		M1806	21-08-43	133	30.4
			05		M1714	21-08-23	122	22.5
			05		M1715	-9	177	79.1
			05		M1716	21-08-38	115	17.8
			05		M1717	21-08-32	159	54.0
			05		M1718	21-08-30	98	12.3
			05		M1719	23-02-04	118	19.6
			05		M1720	21-08-20	97	10.7
			05		M1721	21-08-29	102	12.3
			05		M1722	23-02-04	115	18.9
820805	01	1845	05	10	M1723	21-08-50	117	20.1
			05		M1724	21-08-40	122	22.3
			05		M1725	21-08-21	105	15.7
			05		M1726	21-08-40	121	22.4
			05		M1727	-9	107	14.4
			05		M1728	21-08-46	100	11.3
			05		M1729	21-08-50	119	21.1
			05		M1730	21-08-41	121	22.5
			05		M1731	21-08-39	105	15.2
			05		M1732	21-08-46	109	13.7
820806	07	0820	05	1	M1733	21-08-31	115	21.5
820806	04	0850	05	6	M1734	21-08-38	104	14.1
			05		M1735	21-08-44	129	26.8
			05		M1736	21-08-50	116	18.6
			05		M1737	21-08-28	110	16.0
			05		M1738	21-08-53	117	18.4
			05		M1739	-9	114	18.9
820806	43	1720	05	1	M1830	21-08-53	122	18.9
820809	212	1914	05	7	M1831	21-08-39	119	15.3
			05		M1832	21-08-44	146	32.7
			05		M1833	21-08-37	116	17.6
			05		M1834	21-08-46	120	16.1
			05		M1835	21-08-49	115	16.9
			05		M1836	21-08-41	118	15.3
			05		M1837	21-08-42	124	22.5

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
820817	21	1300	05	13	M1740	21-08-23	135	32.5
			05		M1743	-9	125	24.4
			05		M1745	21-08-30	137	34.3
			05		M1746	21-08-36	146	40.0
			05		M1747	21-08-35	147	45.3
			05		M1748	21-08-39	105	12.0
			05		M1749	21-08-36	147	44.4
			05		M1750	23-02-04	130	31.6
			05		M1751	21-08-41	130	29.5
			05		M1752	23-02-04	137	33.9
			05		M1753	21-08-46	105	15.1
			05		M1754	21-08-29	150	46.7
			05		M1755	23-02-04	147	42.6
820817	213	1625	05	2	M1838	23-02-03	150	40.8
			05		M1839	21-08-23	147	35.1
820818	05	1200	05	25	M1756	23-02-04	122	25.7
			05		M1757	21-08-32	133	28.0
			05		M1758	-9	108	16.8
			05		M1759	21-08-40	115	19.0
			05		M1760	21-08-19	103	14.3
			05		M1761	21-08-47	116	19.9
			05		M1762	21-08-32	127	25.7
			05		M1763	23-02-04	114	18.6
			05		M1764	21-08-37	116	21.3
			05		M1765	-9	110	16.9
			05		M1766	-9	116	19.0
			05		M1767	21-08-42	118	21.0
			05		M1768	21-08-47	104	13.2
			05		M1769	21-08-49	123	25.8
			05		M1770	21-08-39	120	25.0
			05		M1771	21-08-41	119	23.4
			05		M1772	21-08-29	123	26.6
			05		M1773	23-02-04	127	25.8
			05		M1774	-9	124	24.8
			05		M1775	-9	124	28.6
			05		M1776	21-08-37	117	19.7
			05		M1777	-9	86	7.8
			05		M1778	21-08-47	110	17.3
			05		M1779	21-08-45	129	26.8
			05		M1780	21-08-46	107	16.5
820818	01	1347	05	1	M1823	23-02-03	171	80.8
820823	21	1355	05	12	M1807	21-08-44	125	23.3
			05		M1808	23-02-02	132	26.8
			05		M1809	21-08-22	129	29.7
			05		M1810	23-02-04	133	28.1
			05		M1811	-9	140	35.2

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1812	21-08-26	148	34.9
			05		M1813	-9	131	22.1
			05		M1814	24-02-19	134	25.9
			05		M1815	23-02-04	127	24.2
			05		M1816	23-02-23	148	37.9
			05		M1817	23-02-02	128	25.8
			05		M1818	23-02-03	154	47.7
820823	01	1915	05	1	M1824	-9	130	29.1
820823	04	1450	05	1	M1825	21-08-46	117	22.5
820823	01	1305	05	1	M1826	21-08-40	118	22.6
820824	07	0815	05	1	M1819	23-02-04	119	23.6
820824	01	0735	05	3	M1827	21-08-20	122	26.2
			05		M1828	21-08-31	141	38.7
			05		M1829	21-08-21	127	26.4
820824	212	1826	05	1	M1878	21-08-24	129	22.1
820825	01	0815	05	1	M1820	21-08-46	115	20.5
820825	10	0715	05	2	M1821	21-08-38	122	26.7
			05		M1822	21-08-46	91	9.0
820825	7	0730	05	1	M1840	21-08-46	119	23.0
820827	44	1210	05	1	M1876	21-08-47	120	18.1
820827	213	1155	05	1	M1877	21-08-43	125	21.3
820908	7	1805	05	1	M1841	21-08-50	101	10.5
820908	1	1405	05	2	M1842	21-08-31	130	30.2
			05		M1843	21-08-49	129	27.3
820909	01	1840	05	3	M1844	21-08-49	147	40.1
			05		M1845	-9	152	50.9
			05		M1846	21-08-28	137	35.2
820909	21	1335	05	4	M1847	21-08-47	130	25.6
			05		M1848	21-08-50	125	21.6
			05		M1849	21-08-43	144	40.5
			05		M1850	21-08-47	118	20.0
820909	20	1430	05	8	M1851	21-08-46	200	105.2
			05		M1852	21-08-53	143	32.9
			05		M1853	23-02-04	153	42.4
			05		M1854	21-08-21	149	43.4

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1855	21-08-46	131	25.4
			05		M1856	21-08-47	128	25.7
			05		M1857	21-08-29	161	50.8
			05		M1858	21-08-39	141	34.7
820909	31	0935	05	1	M1859	21-08-21	120	19.8
820910	20	0905	05	1	M1860	21-08-21	127	26.3
820910	21	0840	05	3	M1861	21-08-50	139	30.2
			05		M1862	21-08-46	130	25.0
			05		M1863	-9	126	25.2
820914	211	-1	05	1	M1873	21-08-19	109	15.9
820914	44	-1	05	2	M1874	-9	144	38.2
			05		M1875	21-08-23	143	33.5
820927	07	1235	05	1	M1864	21-08-52	121	24.5
820927	07	1400	05	1	M1865	21-08-46	118	24.4
820927	07	1210	05	1	M1866	23-02-03	127	28.9
820927	07	1415	05	1	M1867	21-08-49	114	17.9
820928	10	1145	05	1	M1869	21-08-47	101	13.2
820928	20	1028	05	1	M1902	21-08-46	106	11.7
820928	21	0940	05	1	M1903	21-08-52	126	21.4
820928	07	1205	05	1	M1904	21-08-52	125	26.9
821008	24	1200	05	1	M1922	21-08-42	130	26.9
821109	10	0440	05	2	M1905	21-08-47	152	51.7
			05		M1906	21-08-53	168	68.5
821109	03	0335	05	2	M1893	-9	119	22.1
			05		M1894	21-08-47	142	37.5
821109	07	0455	05	1	M1896	21-08-53	145	41.2
821109	07	0505	05	4	M2009	23-02-04	-1	-1
					M2010	21-08-29	-1	-1
					M2011	21-08-22	-1	-1
					M2012	21-08-41	-1	-1
821109	01	0315	05	1	M1901	23-02-04	141	38.3

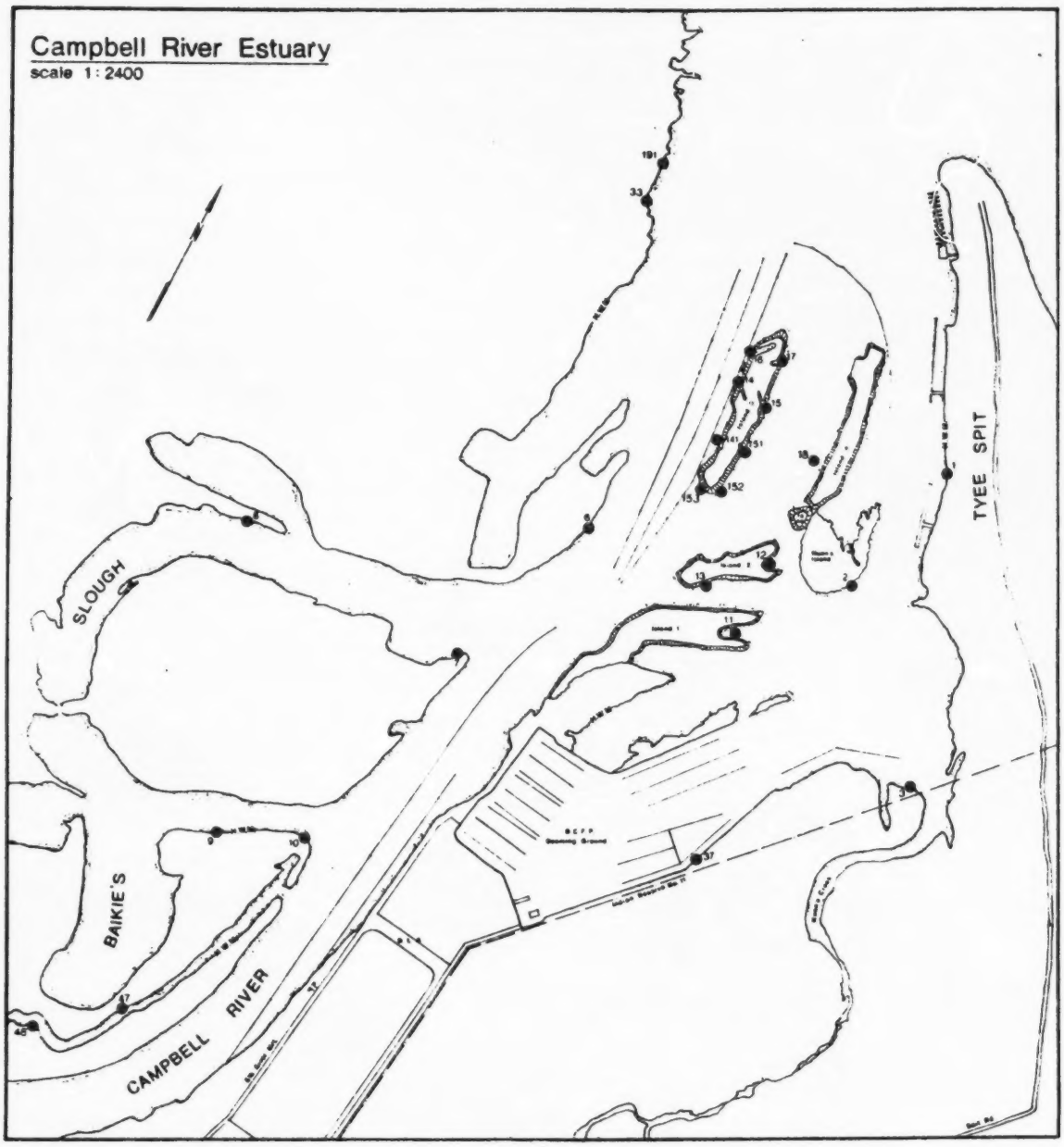
date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
821109	02	0355	05	4	M1907	-9	159	56.0
			05		M1908	-9	157	51.5
			05		M1909	-9	171	68.3
			05		M1910	23-02-04	168	66.4
821110	03	0320	05	1	M1879	-9	163	61.5
821110	11	0330	05	13	M1880	23-02-03	212	137.0
			05		M1881	-9	176	76.3
			05		M1882	21-08-49	135	32.6
			05		M1883	21-08-30	166	55.7
			05		M1884	21-08-39	165	55.4
			05		M1885	23-02-03	203	107.9
			05		M1886	21-08-43	169	61.9
			05		M1887	-9	177	67.9
			05		M1888	21-08-53	148	43.1
			05		M1889	21-08-47	159	51.4
			05		M1890	-9	150	46.9
			05		M1891	21-08-42	151	45.1
			05		M1892	-9	135	32.5
821110	01	0300	05	1	M1895	-9	168	61.7
821110	10	0410	05	2	M1897	21-08-49	156	53.6
			05		M1898	21-08-52	151	48.6
821110	07	0425	05	2	M1899	21-08-46	153	48.8
			05		M1900	21-08-20	145	40.6
821110	02	0715	05	4	M1911	21-08-39	153	47.0
			05		M1912	21-08-47	130	28.3
			05		M1913	21-08-49	130	24.4
			05		M1914	21-08-28	160	52.8
821110	21	0625	05	3	M1915	21-08-37	191	80.4
			05		M1916	21-08-38	149	39.5
			05		M1917	21-08-42	174	61.8
821213	03	2010	05	1	M1918	21-08-48	142	39.1
821213	02	2020	05	3	M1919	23-02-03	230	173.7
			05		M1920	21-08-53	171	62.2
			05		M1921	-7	177	78.2
821213	07	0855	05	5	M1928	-7	181	79.7
			05		M1929	21-02-03	183	80.1
			05		M1930	23-02-04	170	60.9
			05		M1931	-7	158	50.8
			05		M1932	21-08-39	181	76.2
821213	10	1911	05	2	M1934	21-08-22	189	95.9

date	stn	time	sp	#	m-code	C.W.T.	length (mm)	weight (g)
			05		M1935	21-08-49	154	47.1
821214	09	1954	05	1	M1933	-7	160	60.9
821214	03	1947	05	2	M1923	21-08-47	147	43.0
			05		M1924	21-08-45	174	73.0
821214	07	1835	05	3	M1925	-7	139	32.6
			05		M1926	-7	126	25.5
			05		M1927	21-08-46	145	38.9
			05		M1927	21-08-46	145	38.9

FIGURE CAPTIONS

Figure 1. Chart of the Campbell River estuary showing stations where beach seining was conducted in 1982. See Table 1 for descriptions.

Figure 2. Chart of Discovery Passage showing stations where beach seining was conducted in 1982. See Table 1 for descriptions.


Campbell River Estuary
scale 1 : 2400
SLOUGH
BAIKIE'S
CAMPBELL RIVER
TYEE SPIT

DEEPWATER BAY
32
31
PLUMPER BAY
BROWN BAY
30
QUADRA ISLAND
MAUD I.
24
25
MENZIES BAY
DISCOVERY PASSAGE
26
23
DUNCAN BAY
GOWLLAND HARBOUR
27
28
VANCOUVER ISLAND
22
34
35
5
4
44
202
20
201
291
29
45
QUATHIASKI COVE
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211
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Appendix Table 1. CWT codes from chinook caught at Campbell River estuary and Discovery Passage but other data unavailable. See text for explanation of missing data codes.

date	stn	time	sp	#	m-code	C.W.T.	length (m)	weight (g)
8205-1	-1	-1-1	05	17	M 374	21-02-03	84	6.9
			05		M 375	21-08-31	84	6.5
			05		M 376	21-08-36	85	6.7
			05		M 377	21-08-31	80	6.2
			05		M 378	21-08-28	77	5.2
			05		M 379	-8	81	6.3
			05		M 380	21-08-31	80	6.1
			05		M 381	21-08-31	83	6.8
			05		M 382	21-08-36	90	8.8
			05		M 383	21-08-21	77	5.4
			05		M 384	21-08-32	80	5.8
			05		M 385	21-08-29	68	3.6
			05		M 386	21-08-28	76	5.1
			05		M 387	21-08-21	74	4.5
			05		M 388	21-08-33	83	6.3
			05		M 389	21-08-33	80	6.1
			05		M 390	21-08-36	85	6.6
8205-1	-1	-1-1	05	2	M 391	23-02-03	93	9.3
			05		M 392	21-08-34	90	7.8
8205-1	-1	-1-1	05	4	M 370	21-08-31	80	5.8
			05		M 371	21-08-22	80	6.1
			05		M 372	21-08-31	85	7.4
			05		M 373	-8	78	6.0
820909	-1	-1-1	05	3	M1870	21-08-49	118	18.3
			05		M1871	21-08-28	124	22.6
			05		M1872	21-08-45	130	24.7